



# TAMIL NADU POLLUTION CONTROL BOARD



|                                                                                                                                   |                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| From<br>Dr.Jayanthi.M, I.F.S.,<br>Chairperson,<br>Tamil Nadu Pollution Control Board,<br>76, Mount Salai<br>Guindy,Chennai-600032 | To<br>The Additional Chief Secretary to Govt.,<br>Environment, Climate Change and<br>Forests Department,<br>Government of Tamil Nadu, Secretariat,<br>Chennai- 600 009. |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Lr.No.TNPCB/DDL/F-6849/PRS-MPR/2019/dated:08.04.2024.**

**Madam,**

**Sub:** TNPCB-Submission of Revised Monthly Progress Report for the month of **February 2024** -Regarding.

**Ref:** 1) CPCB Lr.No.F.No.A-14011/OA 673/2020-WQM-I/ 12178/  
dt.04.02.2020.  
2) T.O.Lr.No.TNPCB/DDL/F.6849/PRS/2019 dated:04.03.2024.

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With reference to the Government of India's letter 1<sup>st</sup> cited, I submit monthly progress report on action plans for the Polluted River Stretches in Tamil Nadu for the month of **February 2024** for kind perusal.

I request that the above report may kindly be forwarded to the Executive Director-Technical, National Mission for Clean Ganga, Ministry of Jal Shakthi, Government of India with a copy marked to Central Pollution Control Board, New Delhi.

This is submitted for favour of kind information and necessary action please.

Encl: As above

Sd/- Dr. Jayanthi.M,  
Chairperson

//Forwarded by Order//

Joint Chief Environment Engineer  
(WQMD)

12/4/24

Advance Copy to:

✓ The Executive Director-Technical, NMCG, (Ministry of Jal Shakthi, Department of Water Resources, River Development & Ganga Rejuvenation, Government of India), First floor, Major Dhyan Chand National Stadium, India Gate, New Delhi-110002.

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**\*\*Monthly Progress Report in the NGT Matter\***  
**OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)**

**Month: FEBRUARY 2024.**

**Overall status of the State:**

- I.** Total Population:72.14 million  
Urban Population:34.95 million  
Rural Population:37.19 million
- II.** a. Estimated Sewage Generation (MLD): 3938.29 MLD (State)  
b. Estimated Sewage Generation (MLD): 400.47 MLD (PRS)

**III. Details of Sewage Treatment Plant:**

| S.No. | Details of Sewage Treatment Plant                       | State          | PRS          |
|-------|---------------------------------------------------------|----------------|--------------|
| 1.    | Existing No. of STPs and Treatment Capacity (in MLD)    | 105<br>2366.93 | 17<br>335.38 |
| 2.    | Existing No. of FSTP and Capacity (in MLD)              | 40<br>1.089    | 6<br>0.06    |
|       | Sewage being treated through Alternate technology (MLD) | 1094.75        | 1.56         |
| 3.    | Total                                                   | 3462.769       | 337.00       |
| 4.    | Gap in Treatment Capacity in MLD                        | 475.521        | 63.47        |
| 5.    | Under Construction STPs & FSTP (MLD)’                   | 250.37         | -            |
| 6.    | Capacity Utilization of existing STPs& FSTPs            | 1060.399       | 165.11       |
| 7.    | No. of Operational STPs                                 | 105            | 17           |
| 8.    | No. of Complying STPs                                   | 105            | 17           |
| 9.    | No. of Non-complying STPs                               | Nil            | Nil          |

**Details of each existing STPs in Tamil Nadu& PRS**

| No.       | Location                 | Existing STP Capacity (MLD) | Capacity being utilized (MLD) | Operational Status of STP                                    | Compliance Status of STP |
|-----------|--------------------------|-----------------------------|-------------------------------|--------------------------------------------------------------|--------------------------|
|           | <b>CMWSSB</b>            |                             |                               |                                                              |                          |
| <b>I</b>  | <b>Cooum River</b>       | <b>216.20</b>               | <b>142.99</b>                 |                                                              |                          |
| 1.        | Koyambedu STP Zone – III | 34                          | 28.23                         | Operational                                                  | Complied                 |
| 2.        | Koyambedu STP Zone – III | 60                          | 52.16                         | Under Rehab                                                  | -                        |
| 3.        | Koyambedu STP Zone – III | 120                         | 62.53                         | Operational                                                  | Complied                 |
| 4.        | CRRT - Chetpet MSTP      | 1.0                         | 0.07                          | Operational                                                  | Complied                 |
| 5.        | CRRT- Nungambakkam MSTP  | 1.2                         | 0                             | Non-operational-<br>Due to flooding, repair work in progress | -                        |
| <b>II</b> | <b>Adyar River</b>       | <b>181.60</b>               | <b>97.35</b>                  |                                                              |                          |

|            |                                    |                |               |                                                 |                    |
|------------|------------------------------------|----------------|---------------|-------------------------------------------------|--------------------|
| 6          | Nesapakkam STP Zone –IV            | 40             | 17.70         | Operational                                     | Complied           |
| 7          | Nesapakkam STP Zone IV             | 54             | 33.24         | Operational                                     | Complied           |
| 8          | Nesapakkam STP Zone -IV            | 50             | 34.07         | Operational                                     | Complied           |
| 9          | Nesapakkam TTUF                    | 10             | 8.05          | Operational                                     | Complied           |
| 10         | CRRT - Todd Hunter Nagar MSTP      | 4              | 3.78          | Operational                                     | Complied           |
| 11         | CRRT -Kotturpuram MSTPs            | 0.6            | 0.51          | Operational                                     | Complied           |
| 12         | Nesapakkam STP Zone –IV            | 23             | 0             | Non operational – Under study for Rehab         | -                  |
|            | <b>Buckingham Canal</b>            | <b>685</b>     | <b>308.04</b> |                                                 |                    |
| 13         | Kodungaiyur STP Zone – II New      | 120            | 44.69         | Operational                                     | Complied           |
| 14         | Kodungaiyur STP Zone – I           | 120            | 114.52        | Operational                                     | Complied           |
| 15         | Perungudi STP Zone - V             | 12             | 11.96         | Operational                                     | Complied           |
| 16         | Perungudi STP Zone-V               | 54             | 53.97         | Operational                                     | Complied           |
| 17         | Perungudi STP Zone-V               | 60             | 59.98         | Operational                                     | Complied           |
| 18         | Sholinganallur STP(phase I)        | 18             | 17.96         | Operational                                     | Complied           |
| 19         | Thiruvottriyur STP                 | 31             | 4.96          | Operational                                     | Complied           |
| 20         | Kodungaiyur STP Zone I & II        | 110            | 0             | Non- operational - Under Rehab                  | -                  |
| 21         | Kodungaiyur STP Zone II            | 80             | 0             | Non- Operational – Flow diverted to 2 * 120 MLD | -                  |
| 22         | Kodungaiyur STP Zone I             | 80             | 0             |                                                 | -                  |
|            | <b>Total – 22 Nos.</b>             | <b>1082.80</b> | <b>548.38</b> |                                                 |                    |
| <b>DMA</b> |                                    |                |               |                                                 |                    |
| 23         | Coimbatore- Ukkadam                | 70.0           | 35.0          | Operational                                     | Complied           |
| 24         | Coimbatore- Ondiputhur             | 60.0           | 3.00          | Operational                                     | Complied           |
| 25         | Coimbatore- Nanjudapuram           | 40.0           | 10.00         | Operational                                     | Complied           |
| 26         | Coimbatore- Kuruchi & Kuniyamuthur | 30.53          | -             | Under trial run                                 | Partially Complied |
| 27         | Vellore                            | 10.28          | 8.0           | Operational                                     | Complied           |
| 28         | Dindigul                           | 13.65          | 4.0           | Operational                                     | Complied           |
| 29         | Avadi                              | 36.0           | 8.00          | Operational                                     | Complied           |
| 30         | Avadi                              | 4.0            | 2.00          | Operational                                     | Complied           |
| 31         | Madurai-1                          | 125.0          | 24.0          | Operational                                     | Complied           |
| 32         | Madurai-2                          | 45.70          | 15.0          | Operational                                     | Complied           |
| 33         | Thanjavur                          | 28.05          | 14.00         | Operational                                     | Complied           |

|    |                                     |       |       |                 |                    |
|----|-------------------------------------|-------|-------|-----------------|--------------------|
| 34 | Tiruppur                            | 15.0  | 8.50  | Operational     | Complied           |
| 35 | Tiruppur(Expansion of existing STP) | 15.0  | -     | Under trial run | Partially Complied |
| 36 | Tiruppur (Sarkarperiyapalayam)      | 36.0  | -     | Under trial run | Partially Complied |
| 37 | Tiruppur (Chinnandipalayam)         | 20.0  | -     | Under trial run | Partially Complied |
| 38 | Cuddalore                           | 12.25 | 6.70  | Operational     | Complied           |
| 39 | Kanchipuram                         | 14.70 | 14.70 | Operational     | Complied           |
| 40 | Maraimalai Nagar                    | 2.20  | 2.20  | Operational     | Complied           |
| 41 | Tiruvallur                          | 6.20  | 5.50  | Operational     | Complied           |
| 42 | Chidambaram                         | 9.44  | 7.60  | Operational     | Complied           |
| 43 | Thiruvannamalai                     | 8.70  | 5.25  | Operational     | Complied           |
| 44 | Viluppuram – Kakuppam               | 9.0   | 8.00  | Operational     | Complied           |
| 45 | Viluppuram -Erumanthangal           | 3.50  | 2.50  | Operational     | Complied           |
| 46 | Arakkonam                           | 11.04 | 4.0   | Operational     | Complied           |
| 47 | Thirupathur                         | 11.43 | 4.0   | Operational     | Complied           |
| 48 | Bodinayakkanur                      | 12.08 | 5.50  | Operational     | Complied           |
| 49 | Chinnamanur                         | 3.99  | 3.72  | Operational     | Complied           |
| 50 | Periyakulam                         | 5.47  | 4.0   | Operational     | Complied           |
| 51 | Ramanathpuram                       | 7.0   | 6.50  | Operational     | Complied           |
| 52 | Rasipuram                           | 6.96  | 3.50  | Operational     | Complied           |
| 53 | Theni-Allinagaram                   | 12.05 | 9.50  | Operational     | Complied           |
| 54 | Sivagangai                          | 4.92  | 3.50  | Operational     | Complied           |
| 55 | Dharmapuri                          | 4.86  | 3.90  | Operational     | Complied           |
| 56 | Karur                               | 15.0  | 6.50  | Operational     | Complied           |
| 57 | Krishnagiri                         | 12.34 | 8.0   | Operational     | Complied           |
| 58 | Namakkal                            | 7.0   | 6.20  | Operational     | Complied           |
| 59 | Nagapattinam STP-1                  | 9.63  | 5.10  | Operational     | Complied           |
| 60 | Nagapattinam STP-2                  | 2.69  | 1.10  | Operational     | Complied           |
| 61 | Tiruvarur                           | 6.92  | 4.10  | Operational     | Complied           |
| 62 | Ariyalur                            | 4.16  | 2.10  | Operational     | Complied           |
| 63 | Pudukkottai                         | 10.62 | 8.50  | Operational     | Complied           |
| 64 | Perambalur                          | 4.20  | 3.60  | Operational     | Complied           |
| 65 | Udhagamandalam                      | 5.0   | 4.0   | Operational     | Complied           |

|    |                             |                |               |                 |                       |
|----|-----------------------------|----------------|---------------|-----------------|-----------------------|
| 66 | Udumalaipet                 | 7.81           | 4.85          | Operational     | Complied              |
| 67 | Virudhunagar                | 7.65           | 3.80          | Operational     | Complied              |
| 68 | Tambaram                    | 30.0           | 14.0          | Operational     | Complied              |
| 69 | Tuticorin                   | 28.0           | 9.0           | Operational     | Complied              |
| 70 | Thiruchendur                | 3.90           | 2.0           | Operational     | Complied              |
| 71 | Ulunderpettai               | 3.15           | 0.67          | Under trial run | Complied              |
| 72 | Pollachi                    | 11.25          | 2.90          | Under trial run | Complied              |
| 73 | Sattur                      | 4.65           | 1.50          | Under trial run | Complied              |
| 74 | Karaikudi                   | 16.0           | 0.50          | Under trial run | Partially<br>Complied |
| 75 | Nagercoil                   | 17.66          | -             | Under trial run | Partially<br>Complied |
| 76 | Rajapalayam                 | 21.85          | 6.60          | Operational     | Complied              |
| 77 | <b>PRS</b> -Tiruchirappalli | 58.0           | 58.0          | Operational     | Complied              |
| 78 | Tiruchirappalli – STP 2     | 37.0           | -             | Under trial run | Partially<br>Complied |
| 79 | Salem - Vellakuttai STP     | 13.0           | 12.0          | Operational     | Complied              |
| 80 | Salem - Anaimeedu STP       | 6.0            | 5.0           | Operational     | Complied              |
| 81 | Salem - Mankuttai STP       | 35.0           | 29.0          | Operational     | Complied              |
| 82 | Salem - Vandipettai STP     | 44.0           | 1.0           | Operational     | Complied              |
| 83 | Tirunelveli                 | 24.20          | 10.50         | Operational     | Complied              |
| 84 | Erode                       | 50.55          | 25.0          | Operational     | Complied              |
| 85 | Mettur STP-1                | 0.82           | 0.354         | Operational     | Complied              |
| 86 | Mettur STP-2                | 0.92           | 0.314         | Operational     | Complied              |
| 87 | Mettur STP-3                | 5.45           | 2.834         | Operational     | Complied              |
| 88 | Kumbakonam                  | 17.0           | 13.50         | Operational     | Complied              |
| 89 | Mayiladuthurai              | 5.85           | 5.85          | Operational     | Complied              |
| 90 | Sathiyamanagalam            | 4.08           | 1.0           | Operational     | Complied              |
| 91 | Mettupalayam                | 8.65           | 0.70          | Operational     | Complied              |
| 92 | Ambur                       | 16.71          | -             | Under trial run | Partially<br>Complied |
|    | <b>Total - 70 Nos.</b>      | <b>1251.71</b> | <b>492.14</b> |                 |                       |
|    | <b>CTP</b>                  |                |               |                 |                       |
| 93 | Mamallapuram TP             | 2.34           | 2.34          | Operational     | Complied              |
| 94 | Orathanadu TP               | 2.30           | 1.60          | Operational     | Complied              |
| 95 | Palanichettypatti TP        | 2.80           | 2.80          | Operational     | Complied              |
| 96 | Thirumazisai TP             | 3.0            | <b>3.0</b>    | Operational     | Complied              |
| 97 | Velankanni TP               | 2.33           | <b>1.80</b>   | Operational     | Complied              |

|                               |                        |                |                |             |                       |
|-------------------------------|------------------------|----------------|----------------|-------------|-----------------------|
| 98                            | Manachanallur TP       | 6.41           | 1.85           | Operational | Complied              |
| 99                            | S. kannanur TP         | 2.35           | <b>2.35</b>    | Operational | Complied              |
| 100                           | Vallam TP              |                |                |             |                       |
| 101                           | Perundurai TP          | 3.14           | 0.35           | Operational | Complied              |
| 102                           | Melachokanathapuram TP | 2.0            | <b>1.90</b>    | Operational | Complied              |
| <b>103</b>                    | Sulur                  | 2.17           | 0.80           | Operational | Complied              |
| 104                           | Cheranmahadevi         | 1.97           | -              | Operational | Partially<br>Complied |
| 105                           | Patthamadai            | 1.61           | -              | Operational | Partially<br>Complied |
|                               | <b>Total (13 Nos)</b>  | <b>32.42</b>   | <b>18.79</b>   |             |                       |
| <b>Grand Total (105 Nos.)</b> |                        | <b>2366.93</b> | <b>1059.31</b> |             |                       |

### Details of existing FSTPs in Tamil Nadu

| S.No. | Location           | Existing STP<br>Capacity MLD | Capacity Being<br>Utilized MLD | Operational<br>Status of STP | Compliance Status<br>of STP |
|-------|--------------------|------------------------------|--------------------------------|------------------------------|-----------------------------|
|       | <b>DMA</b>         |                              |                                |                              |                             |
| 1     | Kangeyam           | 0.02                         | 0.02                           | Operation                    | Complied                    |
| 2     | Kovilpatti         | 0.04                         | 0.04                           | Operation                    | Complied                    |
| 3     | Tirumangalam       | 0.04                         | 0.04                           | Operation                    | Complied                    |
| 4     | Dharapuram         | 0.03                         | 0.03                           | Operation                    | Complied                    |
| 5     | Sengottai          | 0.02                         | 0.02                           | Operation                    | Complied                    |
| 6     | Thuraiyur          | 0.02                         | 0.02                           | Operation                    | Complied                    |
| 7     | Vickramasingapuram | 0.03                         | 0.03                           | Operation                    | Complied                    |
| 8     | Edappadi           | 0.03                         | 0.03                           | Operation                    | Complied                    |
| 9     | Kadayanallur       | 0.04                         | 0.04                           | Operation                    | Complied                    |
| 10    | Pattukottai        | 0.03                         | 0.03                           | Operation                    | Complied                    |
| 11    | Tiruchengode       | 0.04                         | 0.04                           | Operation                    | Complied                    |
| 12    | Melur              | 0.02                         | 0.02                           | Operation                    | Complied                    |
| 13    | Ambasamuduram      | 0.03                         | 0.03                           | Operation                    | Complied                    |
| 14    | Mannargudi         | 0.03                         | 0.03                           | Operation                    | Complied                    |
| 15    | Aruppukottai       | 0.04                         | 0.04                           | Operation                    | Complied                    |
| 16    | Sankarankoil       | 0.03                         | 0.03                           | Operation                    | Complied                    |
| 17    | Vandavasi          | 0.02                         | 0.02                           | Operation                    | Complied                    |
| 18    | Gudiyatham         | 0.03                         | 0.03                           | Operation                    | Complied                    |
| 19    | Tenkasi            | 0.04                         | 0.04                           | Operation                    | Complied                    |

|     |                             |              |              |           |          |
|-----|-----------------------------|--------------|--------------|-----------|----------|
| 20  | Paramakudi                  | 0.04         | 0.04         | Operation | Complied |
| 21  | Srivilliputhur              | 0.03         | 0.03         | Operation | Complied |
| 22  | Cumbum                      | 0.04         | 0.04         | Operation | Complied |
| 23  | Koothanallur                | 0.02         | 0.02         | Operation | Complied |
| 24  | Thiruthuraipoondi           | 0.01         | 0.01         | Operation | Complied |
| 25  | Puliangudi                  | 0.04         | 0.04         | Operation | Complied |
| 26  | Kulithalai                  | 0.02         | 0.02         | Operation | Complied |
| 27  | Attur                       | 0.04         | 0.04         | Operation | Complied |
| 28  | Sirkali                     | 0.02         | 0.02         | Operation | Complied |
| 29  | Vedaranyam                  | 0.02         | 0.02         | Operation | Complied |
| 30. | Jayakondan                  | 0.02         | 0.02         | Operation | Complied |
| 31. | Aranthangi                  | 0.02         | 0.02         | Operation | Complied |
| 32. | Coonoor                     | 0.01         | 0.01         | Operation | Complied |
| 33. | Virudhachalam               | 0.04         | 0.04         | Operation | Complied |
| 34. | Chengalpattu                | 0.02         | 0.02         | Operation | Complied |
|     | <b>Total 34 FSTPs</b>       | <b>0.97</b>  | <b>0.97</b>  |           |          |
|     | <b>CTP</b>                  |              |              |           |          |
| 35. | Karunguzhi                  | 0.024        | 0.024        | Operation | Complied |
| 36. | Periyanaikanpalayam         | 0.030        | 0.030        | Operation | Complied |
| 37. | Chengam TP                  | 0.020        | 0.010        | Operation | Complied |
| 38. | Alangayam TP                | 0.015        | 0.005        | Operation | Complied |
| 39. | Mudukulathur                | 0.015        | 0.005        | Operation | Complied |
| 40. | Jalakandapuram              | 0.015        | 0.005        | Operation | Complied |
|     | <b>Total (6 Nos)</b>        | <b>0.119</b> | <b>0.079</b> |           |          |
|     | <b>Grand Total (40 Nos)</b> | <b>1.089</b> | <b>1.049</b> |           |          |

Details of under construction STPs in Tamil Nadu

| S.No.  | Location                    | Capacity of the plant (MLD) | Physical Progress in % | Status of I&D or House sewer connection | Completion Timeline                                    |
|--------|-----------------------------|-----------------------------|------------------------|-----------------------------------------|--------------------------------------------------------|
| CMWSSB |                             |                             |                        |                                         |                                                        |
| 1      | SholinganallurSTP(Phase II) | 54                          | 94.25                  |                                         | April 2024<br>(36 +18) 18 MLD trial run under progress |

|                       |                             |               |                                                                                                                                                                 |           |                                        |
|-----------------------|-----------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------|
| 2                     | PerungudiSTP Zone - V       | 60            | 87.05                                                                                                                                                           |           | August 2024                            |
| 3                     | Perungudi TTUF              | 10            | 89.50                                                                                                                                                           |           | August 2024                            |
| 4                     | CRRT, Langs Garden MSTP     | 10            | 97.0                                                                                                                                                            |           | Trial run under progress<br>March 2024 |
| <b>Total (4 Nos.)</b> |                             | <b>134</b>    |                                                                                                                                                                 |           |                                        |
| <b>DMA</b>            |                             |               |                                                                                                                                                                 |           |                                        |
| 5                     | Vellore                     | 50.0          | 91                                                                                                                                                              |           | June- 24                               |
| 6                     | Rameshwaram                 | 4.08          | 95                                                                                                                                                              |           | April- 24                              |
| 7                     | Ponneri                     | 6.52          | 80                                                                                                                                                              |           | May - 24                               |
| 8                     | Pammal&Anagaputhur          | 27.0          | 60                                                                                                                                                              |           | April -24                              |
| 9                     | Tindivanam                  | 11.44         | 82                                                                                                                                                              |           | May-24                                 |
| 10                    | Villupuram Added Area       | 4.56          | Due to public objection this work has not been started. Alternat private land identified. Exchange of land with private land owners process in progress by RDO. |           |                                        |
| <b>Total (6 Nos)</b>  |                             | <b>103.60</b> |                                                                                                                                                                 |           |                                        |
| <b>CTP</b>            |                             |               |                                                                                                                                                                 |           |                                        |
| 11                    | Sriperumbudur TP            | 8.50          | 97                                                                                                                                                              | 5695/6000 | 31.03.2024                             |
| 12                    | Thiruporur TP               | 4.02          | 98                                                                                                                                                              | 4479/4479 | 31.03.2024                             |
|                       | <b>Total (2Nos)</b>         | <b>12.52</b>  |                                                                                                                                                                 |           |                                        |
|                       | <b>Grand Total (12 Nos)</b> | <b>250.12</b> |                                                                                                                                                                 |           |                                        |

Details of under construction FSTPs in Tamil Nadu

| Sl.No. | Location                    | Capacity of the plant (MLD) | Physical Progress in %        | Completion Timeline |
|--------|-----------------------------|-----------------------------|-------------------------------|---------------------|
|        | <b>DMA</b>                  |                             |                               |                     |
| 1      | Padmanabhapuram             | 0.02                        | 75                            | March - 2024        |
| 2      | Gudalur                     | 0.02                        | 95                            | March - 2024        |
| 3      | Walajapet                   | 0.03                        | 32                            | May - 2024          |
| 4      | Kuzhithurai                 | 0.04                        | 90                            | March - 2024        |
| 5      | Keelakarai                  | 0.02                        | 90                            | April - 2024        |
| 6      | Sivakasi                    | 0.04                        | 58                            | May - 2024          |
| 7      | Vaniyambadi                 | 0.03                        | 62                            | May - 2024          |
|        | <b>Total 7</b>              | <b>0.20</b>                 |                               |                     |
|        | <b>CTP</b>                  |                             |                               |                     |
| 8      | Pennagaram TP               | 0.015                       | 97                            | 31.03.2024          |
| 9      | Kaveripattinam TP           | 0.015                       | 95                            | 30.04.2024          |
| 10     | Kurumbalur TP               | 0.010                       | 97                            | 31.03.2044          |
| 11     | Pennadam TP                 | 0.010                       | 100 % Civil works completed.. | 31.03.2024          |
|        | <b>Total (4 Nos)</b>        | <b>0.05</b>                 |                               |                     |
|        | <b>Grand Total (11 Nos)</b> | <b>0.25</b>                 |                               |                     |

### Details of Proposed STPs in the State & PRS

| S. No      | Name of the Project              | No of STPs | STP Capacity (in MLD) | DPR status                                |                                                   |
|------------|----------------------------------|------------|-----------------------|-------------------------------------------|---------------------------------------------------|
|            | <b>DMA</b>                       |            |                       |                                           |                                                   |
| 1          | Coimbatore (3 added area)        | 1          | 9.95                  | Bids invited                              |                                                   |
| 2          | Hosur -1                         | 2          | 32.65                 | Bids invited                              |                                                   |
| 3.         | Hosur -2                         |            |                       |                                           |                                                   |
| 4.         | Tiruchirapalli                   | 1          | 100                   | Work order issued & work to be commenced. |                                                   |
| 5.         | Tirunelveli                      | 1          | 58                    | Bids invited                              |                                                   |
| 6          | Karur                            | 1          | 18.45                 | DPR under appraisal.                      |                                                   |
| 7          | Mannargudi                       | 1          | 10.05                 | Bids invited                              |                                                   |
| 8          | Arupukottai                      | 1          | 13.24                 | Bids invited                              |                                                   |
| 9          | Maraimalai Nagar - 1             | 2          | 15.92                 | Bids invited                              |                                                   |
| 10         | Maraimalai Nagar - 2             |            |                       |                                           |                                                   |
| 11         | Chengalpattu                     | 1          | 11.35                 | Bids invited                              |                                                   |
| 12         | Palani                           | 1          | 12.88                 | Bids invited                              |                                                   |
| 1          | Poonamalae, Thiruverkadu&Mangadu | 1          | 80.91                 | DPR under appraisal                       |                                                   |
| 14         | Cuddalore                        | 1          | 12.59                 | Tender received & under evaluation        |                                                   |
| 15         | Dindigul -1                      | 2          | 17.80                 | Tender received & under evaluation        |                                                   |
| 16         | Dindigul- 2                      |            |                       |                                           |                                                   |
| 17         | Kancheepuram                     | 1          | 30.00                 | Bids invited                              |                                                   |
| 18         | Thiruvannamalai                  | 1          | 13.40                 | Bids invited                              |                                                   |
| 19         | Pudukottai                       | 1          | 10.80                 | Tender received & under evaluation        |                                                   |
| 20         | Namakkal                         | 1          | 11.23                 | Tender received & under evaluation        |                                                   |
| 21.        | Dharmapuri                       | 1          | 5.21                  | Tender received & under evaluation        |                                                   |
|            | <b>Total</b>                     | <b>21</b>  | <b>464.43</b>         |                                           |                                                   |
| <b>CTP</b> |                                  |            |                       | <b>Status of Project</b>                  | Remarks                                           |
| 22         | Sirugamani TP                    | -          | -                     | DPR Stage                                 | DPR is under preparation by WAPCOS / PWD.         |
| 23         | Mohanur TP                       | -          | -                     | DPR Stage                                 |                                                   |
| 24         | Velur TP                         | -          | -                     | DPR Stage                                 |                                                   |
| 25         | Bhavani sagar TP                 | -          | -                     | DPR Stage                                 |                                                   |
| 26         | Sirumugai TP                     | -          | -                     | DPR Stage                                 |                                                   |
| 27         | Madathukulam TP                  | -          | -                     | DPR Stage                                 |                                                   |
| 28         | Omalur TP                        | -          | -                     | DPR Stage                                 |                                                   |
| 29         | Poolampatty TP                   | -          | -                     | DPR Stage                                 |                                                   |
| 30         | Kuthalam TP                      | -          | -                     | DPR Stage                                 |                                                   |
| 31         | Thirukattupalli TP               | -          | -                     | DPR Stage                                 |                                                   |
| 32         | Thiruvaiyaru TP                  | -          | -                     | DPR Stage                                 |                                                   |
| 33         | Pethanaickenpalayam TP           | -          | -                     | Completed                                 | Tamil Nadu Water Investment Company (M/s TWIC has |
| 34         | Yethapur TP                      | -          | -                     | Completed                                 |                                                   |
| 35         | Belur TP                         | -          | -                     | Completed                                 |                                                   |
| 36         | Srivaikundam TP                  | -          | -                     | Completed                                 |                                                   |

|    |                           |   |               |           |                                                                                                                                                                                                        |
|----|---------------------------|---|---------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37 | Authoor TP                | - | -             | Completed | been appointed as consultant for preparation of DPR. DPR submitted on 15.02.2022 by TWIC. DPR under scrutiny.                                                                                          |
| 38 | Eral TP                   | - | -             | Completed |                                                                                                                                                                                                        |
| 39 | Alwarthirunagari TP       | - | -             | Completed |                                                                                                                                                                                                        |
| 40 | Then Thiruperaai TP       | - | -             | Completed |                                                                                                                                                                                                        |
| 41 | Arumuganeri TP            | - | -             | Completed |                                                                                                                                                                                                        |
| 42 | Mukkudal TP               | - | 1.50          | Completed | The State High Powered Committee meeting held on 26.02.2022 has approved to establish Decentralised STP & DEWATS method. Administrative sanction issued on 21.03.2022 and works are in various stages. |
| 43 | Gopalasamudram TP         | - | 1.40          | Completed |                                                                                                                                                                                                        |
| 44 | Kallidaikurichi TP        | - | 3.09          | Completed |                                                                                                                                                                                                        |
| 45 | Veeravanallur TP          | - | 2.79          | Completed |                                                                                                                                                                                                        |
| 46 | Mela Seval TP             | - | 0.53          | Completed |                                                                                                                                                                                                        |
| 47 | Naranammalpuram TP        | - | 0.01          | Completed |                                                                                                                                                                                                        |
|    | <b>Total (26 Nos)</b>     |   | <b>9.32</b>   |           |                                                                                                                                                                                                        |
|    | <b>Grand Total 47 Nos</b> |   | <b>473.75</b> |           |                                                                                                                                                                                                        |

#### Details of Proposed FSTPs in Tamil Nadu

| Sl.No. | Location         | Capacity of the plant (MLD) | Physical Progress in % | Completion Timeline            |
|--------|------------------|-----------------------------|------------------------|--------------------------------|
|        | <b>DMA</b>       |                             |                        |                                |
| 1      | Colachel         | 0.04                        | -                      | Work is to be Commissioned     |
| 2      | Manaparai        | 0.02                        | -                      | Work is to be Commissioned     |
| 3      | Nellikuppam      | 0.02                        | -                      |                                |
| 4      | Panruti          | 0.03                        | -                      |                                |
| 5      | Usilampatti      | 0.02                        | -                      | Administrative Sanction issued |
|        | <b>Total (5)</b> | <b>0.13</b>                 |                        |                                |

#### IV. Details of Industrial Pollution-TNPCB

| Sl. No. | Details of Industries                                                               | State        | PRS   |
|---------|-------------------------------------------------------------------------------------|--------------|-------|
| 1.      | No. of industries in the State:                                                     | 49,524       | 7,381 |
| 2.      | No. of water polluting industries in the State:                                     | 11,538       | 1,770 |
| 3.      | Quantity of effluent generated from the industries in MLD:                          | 2,835.7      | 452.7 |
| 4.      | Quantity of Hazardous Sludge generated from the Industries.                         | 9,64,810 T/A | -     |
| 5.      | No. of industrial units having ETPs:                                                | 11,538       | 1,770 |
| 6.      | No. of industrial units connected to CETP:                                          | 1,497        | Nil   |
| 7.      | No. and total capacity of ETPs (details of existing/ under construction / proposed) | -            | -     |

|     |                                                                                         |                                                                                                                                          |                                             |
|-----|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 8.  | Compliance status of the ETPs:                                                          | 11,538 Industrial units provided Zero liquid discharge system and there is no discharge into the water bodies.                           |                                             |
| 9.  | Number and total capacity of CETPs (details of existing/ under construction / proposed) | <b>Existing</b> – 35 Nos. (1,14,682.85 MLD). 33 CETPs in operation: 2 Nos not in operation.                                              | <b>Proposed</b> – 10 Nos., Capacity 41 MLD. |
|     |                                                                                         | <b>Under Construction</b><br>1 CETP at Kanchipuram (Member Units 36 Nos.) - 3650 KLD capacity. It may be commissioned during April 2024. |                                             |
| 10. | Status of compliance and operation of the CETPs                                         | Details furnished below                                                                                                                  |                                             |

### **Textile (Bleaching & Dyeing ) CETPs**

#### **Status of Compliance and operation of the CETPs in the State – TNPCB**

| Sl.No | Location                      | No. of CETPs | No .of industrial units connected to CETP. | Restricted Quantity for CETPs (KLD) | Status of CETPs (operation / not in operation) | Status of OCEMS installation & Connectivity with TNPCB | Renewal Status | Compliance Status TNPCB Norms |
|-------|-------------------------------|--------------|--------------------------------------------|-------------------------------------|------------------------------------------------|--------------------------------------------------------|----------------|-------------------------------|
| 1     | Eastern CETP - Tiruppur       | 1            | 20                                         | 5400                                | Operation                                      | Connected                                              | 31.03.2024     | Complied                      |
| 2     | Angaripalayam CETP–Tiruppur   | 1            | 46                                         | 9000                                | Operation                                      | Connected                                              | 31.03.2024     | Complied                      |
| 3     | Kunnagalpalam CETP- Tiruppur  | 1            | 13                                         | 4653                                | Operation                                      | Connected                                              | 31.03.2024     | Complied                      |
| 4     | Andi palayam CETP- Tiruppur   | 1            | 9                                          | 1911                                | Operation                                      | Connected                                              | 31.03.2024     | Complied                      |
| 5     | Kasi palayam CETP- Tiruppur   | 1            | 12                                         | 3960                                | Operation                                      | Connected                                              | 31.03.2024     | Complied                      |
| 6     | Mannarai CETP- Tiruppur       | 1            | 20                                         | 5400                                | Operation                                      | Connected                                              | 31.03.2024     | Complied                      |
| 7     | Veerapandi CETP- Tiruppur     | 1            | 62                                         | 10800                               | Operation                                      | Connected                                              | 31.03.2024     | Complied                      |
| 8     | Park CETP – Tiruppur          | 1            | 4                                          | 2250                                | Operation                                      | Connected                                              | 31.03.2024     | Complied                      |
| 9     | Arulpuram CETP- Tiruppur      | 1            | 11                                         | 4950                                | Operation                                      | Connected                                              | 31.03.2024     | Complied                      |
| 10    | Sripulavapatti CETP- Tiruppur | 1            | 19                                         | 4500                                | Operation                                      | Connected                                              | 31.03.2024     | Complied                      |
| 11    | Kalli kadu CETP- Tiruppur     | 1            | 11                                         | 2700                                | Operation                                      | Connected                                              | 31.03.2024     | Complied                      |

|              |                                       |   |            |                 |           |           |            |          |
|--------------|---------------------------------------|---|------------|-----------------|-----------|-----------|------------|----------|
| 12           | Vettuvapalaya<br>m CETP-<br>Tiruppur  | 1 | 8          | 920             | Operation | Connected | 31.03.2024 | Complied |
| 13           | Mangalam<br>CETP-<br>Tiruppur         | 1 | 13         | 3492            | Operation | Connected | 31.03.2024 | Complied |
| 14           | Rayapuram<br>CETP-<br>Tiruppur        | 1 | 13         | 4743            | Operation | Connected | 31.03.2024 | Complied |
| 15           | Chinnakarai<br>CETP-<br>Tiruppur      | 1 | 24         | 6902.1          | Operation | Connected | 31.03.2024 | Complied |
| 16           | Murugampalay<br>am CETP-<br>Tiruppur  | 1 | 50         | 7507.5          | Operation | Connected | 31.03.2024 | Complied |
| 17           | Karaipudur<br>CETP-<br>Tiruppur       | 1 | 19         | 3602.25         | Operation | Connected | 31.03.2024 | Complied |
| 18           | S.Periyapalaya<br>m CETP-<br>Tiruppur | 1 | 5          | 840             | Operation | Connected | 31.03.2024 | Complied |
| 19           | Perundurai<br>CETP-<br>Tiruppur       | 1 | 9          | 3406            | Operation | Connected | 31.03.2024 | Complied |
| <b>Total</b> |                                       |   | <b>368</b> | <b>86936.85</b> |           |           |            |          |

**Tannery CETPs in the State**

**Status of Compliance and Operation of CETPs in the State- TNPCB**

| S. No | Name of the<br>CETP                                                                                                         | Number of<br>industrial<br>units<br>connected<br>to the<br>CETP | Restricted<br>Quantity<br>(KLD) | Consented<br>Quantity<br>(KLD) | Status of<br>CETPs<br>(Operation<br>/ Not in<br>Operation) | Status of<br>OCEMS<br>Installation<br>&<br>Connectivity<br>with TNPCB | Renewal<br>Status               | Compliance<br>Status<br>TNPCB<br>Norms |
|-------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------|--------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------|----------------------------------------|
| 1.    | M/s. Talco Trichy<br>Tannery Effluent<br>Treatment<br>Company, Trichy                                                       | 5                                                               | 201.4                           | 201.4                          | Not in<br>Operation                                        | NA                                                                    | NA                              | NA                                     |
| 2.    | M/s. Perundurai<br>Leathers Industries<br>Eco – Security Private<br>Limited,<br>Perundurai, Erode<br>District               | 14                                                              | 1000                            | 1000                           | Not in<br>Operation                                        | NA                                                                    | NA                              | NA                                     |
| 3.    | M/s. Ambur<br>Tannery Effluent<br>Treatment<br>Company Limited,<br>Thuthipet Sector,<br>Ambur,<br>Tirupattoor<br>District   | 44                                                              | 2219                            | 2219                           | Operation                                                  | Connected                                                             | RCO valid<br>up to<br>31/3/2025 | Complied                               |
| 4.    | M/s. Ambur<br>Tannery Effluent<br>Treatment<br>Company Limited,<br>Maligaihope<br>Sector, Ambur,<br>Tirupattoor<br>District | 17                                                              | 1100                            | 1100                           | Operation                                                  | Connected                                                             | RCO valid<br>up to<br>31/3/2024 | Complied                               |

|              |                                                                                                          |            |                |                |           |           |                           |          |
|--------------|----------------------------------------------------------------------------------------------------------|------------|----------------|----------------|-----------|-----------|---------------------------|----------|
| 5.           | M/s. Talco Pernambut Tannery Effluent Treatment Company Ltd., Pernambut, Vellore District                | 36         | 891            | 891            | Operation | Connected | RCO valid up to 31/3/2025 | Complied |
| 6.           | M/s. Vanitec Limited Valayampet, Vaniyambadi, Tirupattoor District                                       | 133        | 3342           | 3342           | Operation | Connected | RCO valid up to 31/3/2025 | Complied |
| 7.           | M/s. Ranipet Tannery Effluent Treatment Company Limited (RANITEC), Ranipet District                      | 82         | 4500           | 4500           | Operation | Connected | RCO valid up to 31/3/2024 | Complied |
| 8.           | M/s. Ranipet Finished Leather Effluent Treatment Company Limited, Ranipet District                       | 79         | 2500           | 2500           | Operation | Connected | RCO valid up to 31/3/2024 | Complied |
| 9.           | M/s. SIPCOT – SIDCO Phase II Entrepreneur Finished Leather Effluent Treatment Co. Ltd., Ranipet District | 20         | 1560           | 1560           | Operation | Connected | RCO valid up to 31/3/2025 | Complied |
| 10.          | M/s. Visharam Tanners Enviro Control Systems (p) Ltd., Melvisharam, Ranipet District                     | 36         | 3400           | 3400           | Operation | Connected | RCO valid up to 31/3/2024 | Complied |
| 11.          | M/s. Madhavaram Leather Manufactures Facility (P) Ltd., Madhavaram                                       | 14         | 400            | 400            | Operation | Connected | RCO valid up to 31/3/2024 | Complied |
| 12.          | M/s. Pallavaram Tanners Industrial Effluent Treatment Company Limited, Chrompet, Chennai                 | 130        | 3000           | 3000           | Operation | Connected | RCO valid up to 31/3/2024 | Complied |
| 13.          | M/s. Talco Dindigul Tanners Enviro Control System Pvt. Ltd., Dindigul                                    | 49         | 2533           | 2533           | Operation | Connected | RCO valid up to 31/3/2024 | Complied |
| <b>Total</b> |                                                                                                          | <b>659</b> | <b>26646.4</b> | <b>27646.4</b> |           |           |                           |          |

**HOTEL SECTOR- CETP**

**Status of Compliance and Operation of CETPs in the State- TNPCB**

| S.No. | Name of the CETP                                                                         | No. of Hotels connected to CETP | Quantity of sewage Consented for CETP | Status of CETP (Operation / Not in operation) | Renewal status            | Compliance status of TNPCB norms. |
|-------|------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|-----------------------------------------------|---------------------------|-----------------------------------|
| 1.    | M/s.Kodaikanal Effluent Treatment Company Limited, S.F No Ward D Block No 19, TS No 2/2, | 35                              | 850.0 KLD                             | Operation                                     | RCO valid till 31/03/2024 | Generally Complied.               |

|  |                                        |  |  |  |  |  |
|--|----------------------------------------|--|--|--|--|--|
|  | Kodaikanal Taluk,<br>Dindigul District |  |  |  |  |  |
|--|----------------------------------------|--|--|--|--|--|

**ELECTROPLATING CETPs IN THE STATE**

**Status of compliance and operation of CETPs in the State-TNPCB**

| Sl. No.      | Name of the CETP                                                                                                          | No. of industrial units connected to CETP. | Restricted Quantity for CETPs (KLD) | Status of CETPs (Operation/ Not in operation) | Status of OCEMS installation & Connectivity with TNPCB | Renewal Status | Compliance Status TNPCB Norms |
|--------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------|-----------------------------------------------|--------------------------------------------------------|----------------|-------------------------------|
| 1            | M/s JBR TECHNOLOGIES PVT LTD located at S.F.No.927/A Part & 928 Part, Korattur village, Ambattur Taluk, Chennai District. | 234                                        | 200                                 | In operation                                  | Under progress                                         | 31.03.2020     | Not Complied                  |
| 2            | M/s Madurai Electroplaters Industrial Park, D.Karisalkulam Village, Thiruppuvanam Taluk, Sivagangai District.             | 28                                         | 49.6                                | In operation                                  | Connected                                              | 31.03.2024     | Complied                      |
| <b>Total</b> |                                                                                                                           | <b>262</b>                                 | <b>249.6</b>                        |                                               |                                                        |                |                               |

**Details of CETPs Proposed in the State**

| Sl. No. | Town       | Name of CETPs                                                                                           | CETP Capacity (MLD) | Status of Consent                                                                                                                                                                                  |
|---------|------------|---------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.      | Perundurai | Sree Bhavani Dyeing Cluster Development Limited, Perundurai Taluk, Erode District.                      | 4                   | The proposal has been approved by Ministry of Textiles vide O.M dated: 14.09.2016. Fund is awaited. CTE issued upto 31.03.2024.                                                                    |
| 2.      | Perundurai | Kadayampatti Common Effluent Treatment Plant Bhavani Private Limited, Perundurai Taluk, Erode District. | 6.25                | 1.The Secretary, Ministry of Textiles, GOI, New Delhi addressed vide letter No. 16.06.2021 to the Chief Secretary, Government of Tamil Nadu wherein it has been stated that the funding pattern to |
| 3.      | Perundurai | Kadayampatti Common Reject Management Systems Private Limited (CRMS),Perundurai Taluk, Erode District   | 1.75                |                                                                                                                                                                                                    |
| 4.      | Erode      | Gangapuram Common Effluent Treatment Plant Private Limited,                                             | 4.5                 |                                                                                                                                                                                                    |

| Sl. No.                 | Town          | Name of CETPs                                                                                 | CETP Capacity (MLD) | Status of Consent                                                                                                                                                                                                                           |
|-------------------------|---------------|-----------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         |               | Erode Taluk & Erode District                                                                  |                     | the CETPs is under revision for next five years.<br><br>2.No member unitis in operation without ZLD system; Other member units are proposed industries only, ie. Green sites only<br>3.GOI share is awaited.<br>CTE issued upto 31.03.2024. |
| 5.                      | Erode         | Villarasampatti Common Effluent Treatment Plant Private Limited, Erode Taluk & Erode District | 4.5                 |                                                                                                                                                                                                                                             |
| 6.                      | Erode         | M/s.Suriyampalayam Common Effluent Treatment Plant Private Limited, Erode                     | 4.2                 |                                                                                                                                                                                                                                             |
| 7.                      | Erode         | M/s. Green Kalingarayan Common Effluent Treatment Plant Private Limited, Erode                | 5.8                 |                                                                                                                                                                                                                                             |
| 8.                      | Erode         | M/s. Erode Common Effluent Treatment Plant Private Limited (CRMS), Erode.                     | 2.0                 |                                                                                                                                                                                                                                             |
| 9                       | Kumarapalayam | M/s. Kumarapalayam Green Cauvery Dyeing Cluster, Kumarapalayam                                | 5.0                 | CTE issued upto 31.03.2026.                                                                                                                                                                                                                 |
| 10                      | Kumarapalayam | M/s. Green Environmental Association, Pallipalayam & Kumarapalayam (CRMS)                     | 3.0                 |                                                                                                                                                                                                                                             |
| <b>TOTAL - 10 CETPs</b> |               |                                                                                               | <b>41</b>           |                                                                                                                                                                                                                                             |

**V.Solid Waste Management:**

| No | Solid Waste Management                                                                                                                                                                                                                                                                                 | State                                                                                                                                                                                                                                                                                                                      | PRS                         |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 1. | Total number of Urban Local Bodies                                                                                                                                                                                                                                                                     | 649                                                                                                                                                                                                                                                                                                                        | 48                          |
| 2. | Current Municipal Solid Waste Generation (TPD)                                                                                                                                                                                                                                                         | ULB- 15,497 TPD.<br><b>Note:</b> The MSW of RLB is furnished separately in the dossier below.                                                                                                                                                                                                                              | ULB- 1786.8                 |
| 3. | a. Number of facilities<br><br>b. Installed capacity –TPD<br><br>c. Utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio-methanation, MRF,etc | 3798(DMA- 2131+CTP- 1219+ GCC-448)<br><br><b>10587</b> (DMA-6631+CTP- 1888+GCC – 2068)<br><br>8823 (DMA- <b>5851</b> +CTP- 1888 +GCC-1084)                                                                                                                                                                                 | 451<br><br>1507<br><br>1312 |
| 4. | Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)                                                                                                                                                                                   | 1. It is proposed to increase the segregation, collection and treatment of MSWs.<br>2. The non-bio-gradable waste such as plastic wastes, etc. will be segregated and disposed scientifically.<br>3.Continuous awareness being created for source segregation and fixing target to achieve goal and periodically reviewed. |                             |



|    |                                                   |       |    |
|----|---------------------------------------------------|-------|----|
|    | Number of Village Panchayats                      | 12525 | 31 |
| 3. | Details of MSW treatment facilities proposed(Nos) | 287   | 1  |

**Status of ULB wise Management of Solid Waste-DMA, CTP& Greater Chennai Corporation (GCC)**

| ULBs         | Total MSW generation (TPD) | Total MSW processed (TPD) | Existing MSW Facilities                      | Utilization Capacity of MSW facilities (TPD) | Proposed MSW Facilities & Completion timeline                                                         |
|--------------|----------------------------|---------------------------|----------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------|
| DMA          | 7518                       | 6631                      | Windrow/Vermi composting, Biogas generation  | 5851                                         | 113Nos. of MSW treatment facilities are under construction& 41 Nos. of facilities are proposed.       |
| CTP          | 1840                       | 1707                      | Pyrolysis, bio-composting.                   | 1707                                         | Incinerators & Pyrolysis are under progress for processing non-recyclable dry waste on cluster basis. |
| GCC          | 6139                       | 1084                      | Windrow/Vermi composting, Bio-gas generation | 1084                                         | 6 Nos. of MSW treatment facilities are under construction.                                            |
| <b>Total</b> | <b>15497</b>               | <b>9422</b>               |                                              | <b>8642</b>                                  |                                                                                                       |

**VI.Bio-medical Waste Management (BWM):**

| S.No | BWM                                          | State                                                                                                                                                                                                         | PRS                              |
|------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 1.   | Total Bio-medical generation (TPD)           | a) Authorized quantity :105.55 T/Day.<br>b) Average generation : 49.72 T/day.                                                                                                                                 | Authorized quantity: 11.87 T/Day |
| 2.   | No. of Hospitals and Health Care Facilities: | 29,944                                                                                                                                                                                                        | 6421                             |
| 3.   | Status of Treatment Facility/<br>CBMWTF:     | Total -14 Nos.<br><br>12- Facilities under operation, 2-Facilities - Issued Closure order by TNPCB for non- compliance.<br><br>1 Nos Commonfacilities (CBMWTFs) is under establishment in Tiruppur Districts. |                                  |

**VII. Hazardous Waste Management (HWM)**

| S.No | Hazardous Waste Management | Tamil Nadu State |
|------|----------------------------|------------------|
|------|----------------------------|------------------|

|    |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                 |
|----|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Total Hazardous Waste generation                                   | Total : 9.64810 lakhs T/A<br>Recylable :1.2081 lakhs T/A<br>Utilizable : 7.30 lakhs T/A<br>Land fillable : 0.90 lakhs T/A<br>Incinerable : 0.24 lakhs T/A                                                                                                                                                                                                                       |
| 2. | No. of Industries generating HW                                    | 4,199 units                                                                                                                                                                                                                                                                                                                                                                     |
| 3. | Treatment Capacity of all TSDFs                                    | <b><u>2 Nos. of M/s Tamil Nadu Waste Management Limited (TNWML) Facility :</u></b><br><b><u>a.TSDF Gummidipoondi :</u></b> Permitted land fillable hazardous waste in SLF- 1,00,000 T/A Permitted for Incineration of hazardous waste with incinerator of capacity-1.5 T/Hr.<br><b><u>b.TSDF Viruthunagar :</u></b> Permitted land fillable hazardous waste in SLF-2,40,000 T/A |
| 4. | Average Quantity of Hazardous waste reaching the TSDFs and treated | Land fillable hazardous waste- 90,296 T/A<br>Incinerable hazardous waste- 7312 T/A                                                                                                                                                                                                                                                                                              |
| 5. | Details of on-going or proposed TSDF                               | A common TSDF is proposed by TNWML (Unit-3) at Balethottam village, Pochampalli Taluk, Krishnagiri District for which CTE is granted under Water & Air Acts for direct landfillable Hazardous waste -83 TPD & treated landfillable hazardous waste -166 TPD.                                                                                                                    |

### VIII. Plastic Waste Management

| Plastic Waste Management             | STATE | PRS   |
|--------------------------------------|-------|-------|
| Total Plastic Waste generation (TPD) | 1220  | 109.2 |

|                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Treatment/ Measures adopted for reduction or management of plastic waste | <p>Recyclable/ Saleable plastics are sold to authorized vendors. Non-saleable plastics are sent to cement factories for co-incineration and also used as a component for laying roads. Incinerators &amp; pyrolysis plants are under progress for processing non-recyclable dry waste in cluster basis.</p> <p>A plastic Shredding unit is available at each district under Solid Waste Management Scheme.</p> <p>All the ULBs are enforcing source segregation of wastes and the saleable fraction of plastic wastes are sold to recyclers and remuneration is paid back to sanitary workers. Apart from that, a total quantity of 1110 MT of single use plastics had been seized and a penalty of Rs.5.48 crore has been levied by local bodies. The seized plastics are stored at Resource Recovery Centers (RRC) and disposed to Cement industries. The Government of Tamil Nadu has banned the single use plastics. The Government of Tamil Nadu has issued orders vide G.O (MS)No:116 Environment Climate Change and Forests Department, to use cloth bags instead of plastic carry bags.</p> |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**IX.** Details of Alternate Treatment Technology being adopted by the State/UT: Nil

**X.** Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:

| Total out falls in Six Polluted River Stretches |                    |                        |                                                                                                                                    |
|-------------------------------------------------|--------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Sl.No.                                          | Name of the river  | Total No of Out falls. | Remarks                                                                                                                            |
| 1                                               | Sarabanga          | 28                     | <ul style="list-style-type: none"> <li>28 Nos. of STPs / FSTPs are under construction.</li> </ul>                                  |
| 2                                               | Vasista            | 5                      |                                                                                                                                    |
| 3                                               | Cauvery            | 39                     |                                                                                                                                    |
| 4                                               | Thirumanimutharu   | 7                      | <ul style="list-style-type: none"> <li>To bridge the gap 52 Nos. of STPs / FSTPs proposals are evolved by local bodies.</li> </ul> |
| 5                                               | Bhavani            | 40                     |                                                                                                                                    |
| 6                                               | Tamirabarani       | 20                     | <ul style="list-style-type: none"> <li>At Cooum and Adyar PRS, outfalls are being closed by local bodies.</li> </ul>               |
|                                                 | <b>Grand Total</b> | <b>139</b>             |                                                                                                                                    |

**XI.** Details of Nodal Officer appointed by Chief Secretary in the State/UT: Nodal officers have been nominated vide G.O.Ms No.64 Environment and Forests (EC.2) Department dated 03.10.2020 by the Government of Tamil Nadu.

Details of meetings carried under the Chairmanship Chief of Secretary in the State: Environment Monitoring Cell meeting has been conducted by the Additional Chief Secretary to Government of Tamil Nadu, Environment and Forest Department, on 23.12.2020. The Additional Chief Secretary, Environment, Climate Change and Forests Department, Government of Tamil Nadu has reviewed the progress of Action Plans on 18.11.2021. The Chief Secretary to Government of Tamil Nadu has reviewed the progress on 20.04.2022. The Additional Chief Secretary, Municipal Administration & Water Supply Department, Government of Tamil Nadu has reviewed the progress of Action Plans on 22.06.2023. The implementation of River Rejuvenation works at Greater Chennai Corporation to

rejuvenate Cooum, Adyar and Buckingham Canal are being reviewed by the Chief Secretary to Government every month.

**XII.** Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

**Water quality of the polluted river stretches for the month of February 2024**

| Sl.No. | Name of the River | No of Monitoring Locations | BOD mg/L (Maximum level) |
|--------|-------------------|----------------------------|--------------------------|
| 1      | Sarabanga         | 1                          | No flow                  |
| 2      | Thirumanimutharu  | 1                          | 120                      |
| 3      | Vasista           | 1                          | 160                      |
| 4      | Cauvery           | 19                         | 2.7                      |
| 5      | Bhavani           | 7                          | 3.0                      |
| 6      | Thamirabarani     | 12                         | 2.9                      |
| 7.     | Amaravathi        | 3                          | 2.5                      |
| 8.     | Palar             | 1                          | No flow                  |
| 9.     | Cooum             | 7                          | 25                       |
| 10.    | Adyar             | 5                          | 20                       |

**Source: TNPCB**

**Ground water quality in the catchment of polluted rivers-WRD**

| Name of the River | Ground water quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sarabanga         | The State Ground and Surface Water Resources Data Centre (SG&SWRDC) has provided monitoring wells for observation of ground water quality in Danishpet, Omalur, Idaipadi, Thevur and Tharamangalam areas. The Total Dissolved Solids (TDS) of this stretch is found to be vary between <b>276mg/L to 946</b> mg/L. range of moderate quality.                                                                                                                                                                                                                                                                                                     |
| Thirumanimutharu  | The SG&SWRDC provided monitoring wells in Salem, Attayampatti and Palapatti areas. The TDS in this stretch vary between 255 mg/Lto 1636 mg/L.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Vasista           | The SG&SWRDC is having monitoring wells in Papanaiickenpatti, Yethapur, Athur and Thalaivasal. The TDS valuesare between 365 mg/L to 2228 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cauvery           | The SG&SWRDC is having ground water quality data for the areas of Dharmapuri, Mettur, Bhavani, Salem, Paramathivelur, Kumarapalayam, Karur, Erode, Musiri, Trichy, Kulithalai, Kumbakonam and Mayiladuthurai and in Dharmapuri the TDS vary between 382 mg/L to 1715 mg/L, at Salem the water quality varies between 254to 2057 mg/L, at Namakkal the TDS exceed even 353 to 4047 mg/L. At Thanjavur and Cuddalore in most of the locations the water quality is found to vary between good and moderate and a few places viz. Nagapanur, Chidambaram and Tiruvamur villages of Cuddalore District the TDS is found to be more than 2000 mg/L in. |

|               |                                                                                                                                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bhavani       | The general distribution of ground water quality varies between Good to moderate level.                                                                                                   |
| Thamirabarani | The collected water quality data of Cheranmadevi, Thiruvudaimaruthur, Ambasamudram, Thirunelveli, Palayamkottai, and Ariyanaygipuram showed good, poor and moderate quality based on TDS. |

**XIII. Ground water regulation-WRD**

| Name of the River | Ground water regulation                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sarabanga         | For effective management of Ground Water, <b>683</b> packaged drinking water firms operated illegally have been closed as per Honorable Madras High Court order passed under WP No.16299 / 2018.                                                                                                                                                                           |
| Thirumanimutharu  |                                                                                                                                                                                                                                                                                                                                                                            |
| Vasista           |                                                                                                                                                                                                                                                                                                                                                                            |
| Cauvery           | A Comprehensive Groundwater (Management and Development) Act, to regulate and manage the extraction of Groundwater is under active consideration of the Government of Tamil Nadu.The draft act has been approved by the high-level technical committee headed by the Chief Secretary. In Thamirabarani basin area 9 illegally operating firms have been sealed and closed. |
| Bhavani           |                                                                                                                                                                                                                                                                                                                                                                            |
| Thamirabarani     |                                                                                                                                                                                                                                                                                                                                                                            |

**XIV. Good irrigation practices being adopted by the State-WRD:**

| Name of the River | Good irrigation practices being adopted by the State                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sarabanga         | Awareness meetings are conducted under TNIAMP, ADB & State Funds. In some parts of the reach DRIP irrigation is practiced.                                                                                                                                                                                                                                                                                                                                                                              |
| Thirumanimutharu  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Vasista           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cauvery           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Bhavani           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Thamirabarani     | Village level awareness campaigns are conducted periodically by PWD officials to adopt the crop rotation for good irrigation practices. Rehabilitation and modernization of Tanks, Anicuts and Supply channels are being carried out in TNIAMP projects per GO Ms No: 140 PW (WR 1) Dept Dt: 21.06.2017 for an amount of Rs.107.09 crores. Kudimaramath woks as per G.O (Ms).No.98PW(W1)Dept/Dt: 22.04.2020 for an amount of Rs. 16.365 Crores is carried out in Tirunelveli and Thoothukudi Districts. |

**XV. Rain Water Harvesting Structures -WRD**

| Name of the River | Existing Structures (Nos) | Ongoing Works (Nos) | Proposed Works (Nos) |
|-------------------|---------------------------|---------------------|----------------------|
| Sarabanga         | 5                         | 2                   | 10-Recharge Wells    |

|                  |            |           |                                                                                                                                    |
|------------------|------------|-----------|------------------------------------------------------------------------------------------------------------------------------------|
| Thirumanimutharu | 6          | --        | 14-Recharge Wells                                                                                                                  |
| Vasista          | 16         | --        | --                                                                                                                                 |
| Cauvery          | 44         | 10        | 29                                                                                                                                 |
| Bhavani          | 45         | -         | --                                                                                                                                 |
| Thamirabarani    | 9          | 2         | Total – 230Nos.<br>Barrages 3 Nos.–Rs.230 Crores.<br>Artificial Recharge well 221 Nos,<br>Recharge shaft 4 Nos. -Rs. 88.496Crores. |
| <b>Total</b>     | <b>125</b> | <b>14</b> | <b>283</b>                                                                                                                         |

**XVI. Demarcation of Flood plain and removal of illegal encroachments - WRD:**

| <b>Name of the River</b>  | <b>Demarcation of Floodplain and removal of illegal encroachments</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sarabanga                 | The identification of flood plain zones is in process. Bio Diversity and afforestation will be carried out by Nadanthai Vaazhi Cauvery Project. The DPR - Phase – I Nadanthai Vaazhi Cauvery Project completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding patten are submitted to the Govt. of Tamil Nadu for getting financial concurrence. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement. |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Vasista                   | No Flood plains zones/encroachment have been identified. No Encroachment has also been identified in the stretch. In case of any encroachment reported in the future by Revenue department, action will be taken for immediate eviction                                                                                                                                                                                                                                                                                                                                                                           |
| Thirumanimutharu &Cauvery | The identification of flood plain zones is in progress. Bio Diversity and afforestation will be carried out by Nadanthai Vaazhi Cauvery Project. The DPR - Phase – I completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt.of TN for getting finance concurrence. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.                                           |

| Bhavani       | <p>The identification of flood plain zones is in progress. Bio Diversity and afforestation will be carried out by Nadanthai Vaazhi Cauvery Project. The DPR - Phase – I completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence.</p> <p>55 Nos of encroachments belongs to fishing community, proposal for alternate land has already been sent to Secretary to Government, Revenue department, Secretariat, Chennai vide letter No. F.2 / 41632 / 2005 / Dt.15.02.2006 and the file is long pending. The Assistant Engineer, WRD, Water Spread Section, Bhavanisagar has been issued From VII to encroachers on 30.03.2022.</p> |                     |                |                              |                |                              |    |             |     |     |    |    |             |      |     |     |  |              |             |            |             |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|------------------------------|----------------|------------------------------|----|-------------|-----|-----|----|----|-------------|------|-----|-----|--|--------------|-------------|------------|-------------|
| Thamirabarani | <p>a. To prepare comprehensive flood protection plan for Thamirabarani River Rs. 4.00 Lakhs has been allotted vide GO Ms. No. 37 Revenue (DMII) Department 9.02.2017. Estimate has been prepared for Rs. 4.00 Lakhs for the demarcation of Flood plain zone &amp; steps are being taken for the protection and management of Flood plain Zones of ThamirabaraniRiver.</p> <p>b. Moreover in Tirunelveli Corporation, Prosopis juliflora on the river stretches for a length of 10km from Vilagam to Naranammalpuram river bridge were removed at a cost of 140.00 lakhs vide GO(2D) No. 14 PW (P2) Dept Dated 8.03.2019 to restore the River course for a free flow of flood water.</p>                                                                                                                                |                     |                |                              |                |                              |    |             |     |     |    |    |             |      |     |     |  |              |             |            |             |
|               | <p>c. In River Banks of the Thamirabarani, the following encroachments were identified&amp; demarcated by the water resource department/Public works department. The issue of eviction notices to the encroachers under eviction of encroachment act is under progress in Tirunelveli and Thoothukudi District.</p> <table><tr><th>Sl. No.</th><th>District</th><th>Encroachment (Nos.)</th><th>Evicted (Nos.)</th><th>Balance to be evicted (Nos.)</th></tr><tr><td>1.</td><td>Tirunelveli</td><td>683</td><td>639</td><td>44</td></tr><tr><td>2.</td><td>Thoothukudi</td><td>1084</td><td>117</td><td>967</td></tr><tr><td></td><td><b>Total</b></td><td><b>1767</b></td><td><b>756</b></td><td><b>1011</b></td></tr></table>                                                                                        | Sl. No.             | District       | Encroachment (Nos.)          | Evicted (Nos.) | Balance to be evicted (Nos.) | 1. | Tirunelveli | 683 | 639 | 44 | 2. | Thoothukudi | 1084 | 117 | 967 |  | <b>Total</b> | <b>1767</b> | <b>756</b> | <b>1011</b> |
| Sl. No.       | District                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Encroachment (Nos.) | Evicted (Nos.) | Balance to be evicted (Nos.) |                |                              |    |             |     |     |    |    |             |      |     |     |  |              |             |            |             |
| 1.            | Tirunelveli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 683                 | 639            | 44                           |                |                              |    |             |     |     |    |    |             |      |     |     |  |              |             |            |             |
| 2.            | Thoothukudi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1084                | 117            | 967                          |                |                              |    |             |     |     |    |    |             |      |     |     |  |              |             |            |             |
|               | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>1767</b>         | <b>756</b>     | <b>1011</b>                  |                |                              |    |             |     |     |    |    |             |      |     |     |  |              |             |            |             |

**XVII.Maintaining minimum e-flow of river-WRD:**

|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>Name of the River</b> | <b>Maintaining minimum e-flow of river</b> |
|--------------------------|--------------------------------------------|

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sarabanga        | This river is only a flood carrier. The sewage water enters in to the river in Edapaddi Municipality, Omalur Town Panchayat and Poolampatti Town Panchayat. The above treatment plants are proposed under NadanthaiVaazhi Cauvery Project. E flow will be maintained in this river after completion sewage treatment plants. The treated water will flow as environmental flow.                                                                                                                                                   |
| Thirumanimutharu | This river is only a flood carrier. The sewage water enters in to the river in Salem Corporation. Treatment plants have been proposed under Nadanthai Vaazhi Cauvery Project. E flow will be maintained in this river after completion of sewage treatment plants, as the treated water will flow as environmental flow.                                                                                                                                                                                                          |
| Vasista          | This river is only a flood carrier. But the sewage water enters in to the river in Attur and Narasingapuram Municipality. After completion of sewage treatment plants in the above locations, the treated water will flow as environment flow.                                                                                                                                                                                                                                                                                    |
| Cauvery          | Mettur dam is opened for irrigation from June 12 <sup>th</sup> to January 28 <sup>th</sup> based on availability of water every year. It is opened for drinking purpose in the remaining days, during the monsoon period at flood time the maximum food discharge in the river has been 284606 cusecs on 08.07.1961. Usually, a monthly minimum average E flow of 0.10 TMC is maintained. The E flow is maintained for more than 8 months. During the month of <b>February 2024</b> an E Flow of <b>0.178 TMC</b> was maintained. |
| Bhavani          | An E flow of <b>2057.10 Mcft.</b> (including Irrigation purpose) was maintained in the river Bhavani during the Month of <b>February 2024</b> .                                                                                                                                                                                                                                                                                                                                                                                   |
| Thamirabarani    | An average of <b>1320.06 Cusecs</b> of water is released into the river in the month of <b>February 2024</b> to ensure minimum environmental flow.                                                                                                                                                                                                                                                                                                                                                                                |

**XVIII. Plantation activities along the rivers-WRD**

| <b>Name of the River</b> | <b>Plantation activities along the Rivers</b>                                                                                                                                                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sarabanga                | Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence. |

|                  |                                                                                                                                                                                                                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thirumanimutharu | Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence. |
| Vasista          | There is no proposal at present.                                                                                                                                                                                                                                                                    |
| Cauvery          | Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence. |
| Bhavani          | Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence. |
| Thamirabarani    | At present there is no proposal on plantation on the RiverBanks and investigation works are being taken to implement it by Forest Department.                                                                                                                                                       |

**XIX. Development of biodiversity park - WRD**

| <b>Name of the River</b> | <b>Development of Biodiversity Park</b>                                                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sarabanga                | Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence. |
| Thirumanimutharu         |                                                                                                                                                                                                                                                                                                     |
| Vasista                  | There is no proposal at present.                                                                                                                                                                                                                                                                    |
| Cauvery                  | Nadanthai Vaazhi Cauvery Project DPR - Phase - I was completed by WAPCOS and submitted to NCRD through EPTRI. The NCRD has accorded approval and given recommendations. The replies to NCRD observations and also funding pattern are submitted to the Govt. of TN for getting finance concurrence  |
| Bhavani                  |                                                                                                                                                                                                                                                                                                     |
| Thamirabarani            | At present there is no proposal on biodiversity parks on the encroached River stretches and investigation works are being taken to implement it.                                                                                                                                                    |

**XX. Reuse of Treated Water - DMA**

The policy for promotion of use of Treated Waste Water is prepared with a vision to maximize the collection & treatment of sewage generated and reuse treated waste water on a sustainable basis, thereby reducing dependency on fresh water resources. Further, the policy promotes use of treated waste water as an economic resource.

In this regard, Tamil Nadu Government has launched waste water reuse policy during December 2019. At present Memorandum of Understanding (MoU) has been executed between UrbanLocal Bodies and the user agency for the re-use of secondary treated effluent water.

**Urban Local Bodies wise details are furnished as below:**

| S. No.       | Name of the ULB | Quantity ( MLD) | Usage/ Purpose                                           |
|--------------|-----------------|-----------------|----------------------------------------------------------|
| 1            | Nagapattinam    | 2.0             | M/s KVK Power for cooling purpose                        |
| 2            | Dindugul        | 5.0             | To maintain the TDS level of Tanners for Agro- forestry. |
| 3            | Tirunelveli     | 24.0            | Nanguneri Special Economic Zone (SEZ) for Industries     |
| 4            | Perambalur      | 3.0             | MRF Industrial use                                       |
| 5            | Ramanathapuram  | 3.0             | NTC Infra                                                |
| 6            | Coimbatore      | 15.0            | Agricultural use to farmers association                  |
| 7            | Pollachi        | 11.50           | Agricultural use to farmers association                  |
| 8            | Chinnamannur    | 3.0             | Agricultural use                                         |
| 9            | Karur           | 7.0             | Agricultural use                                         |
| 10           | Arakkonam       | 7.0             | MRF Industrial use                                       |
| <b>Total</b> |                 | <b>80.5</b>     |                                                          |

**XXI. Model River being adopted by the State & Action Proposed for achieving the bathing quality Standards:**

**Model River Bhavani:**

- River Bhavani has been classified as a polluted river stretch based on the monitoring done during 2019 & 2021 and classified under priority - V.
- The monitoring continued until date under the NWMP programme and shows that during the last 5 years the level of BOD value is less than 3 mg/l.
- The reasons attributed for low BOD, high DO is due to low faecal coliforms in the river water.
- Dumping of Municipal Solid Waste along the stretches of Bhavani has been stopped and the guidelines for solid waste management (segregation, recycling, composting, etc.) are followed scrupulously.
- A major polluting industry by name M/s. South India Viscose at Sirumugai- at the bank of the river has been closed permanently by Tamil Nadu Pollution Control Board.
- Industries involved in textile dyeing, tannery activities, etc., have provided ETPs with zero liquid discharge systems. The industries shall not discharge treated / raw effluents outside the premises of the units.

- All paper mills located in Sathyamangalam having access to River Bhavani have been made to adopt best practices by way of pulp recovery and reuse of water in their process thereby preventing any discharges leading to the river.
- M/s.Sakthi Sugars Ltd., at Aapakudal in Erode District once permitted for fert- irrigation has been stopped and made to use effluent for composting.
- Under the Swatch Bharat Scheme, the houses in BhavaniSagar Town Panchayat, Sirumugai Town Panchayat, Uratchikottai Villages are provided with septic tanks and soak pit facilities to prevent the discharge of fecal sludge into the river.
- TNPCB has proposed to conduct awareness programme at a cost of Rs.8,00,000/- (Rs. Eight lakhs only) along the Bhavani River stretch.

## **XXII. Status of Preparation of Action Plans by the 14 Coastal States:**

The Government of Tamil Nadu vide G.O.(D) No.193dated:04.10.2023 has issued orders to allot the work of preparation of comprehensive Action Plans to National Centre for Coastal Research (NCCR), Chennai.

The work order of the Tamil Nadu Pollution Control Board has been issued to NCCR vide this office work order dated:27.10.2023. The work is under progress and will be completed early.

## **XXIII. Regulation of Mining Activities in the State/UT: --**

**XXIV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:**

In District level the following teams/offices are monitoring the water polluting industries:

- a) District Environmental Committee headed by District Collector concerned.
- b) Joint Chief Environmental Engineer's offices (Monitoring) headed by the Joint Chief Environmental Engineers.
- c) District Environmental Engineer's offices headed by District Environmental Engineers.
- d) Environmental Engineer's (Flying Squad) offices headed by Environmental Engineers.

Illegal industries and law violating industries are closed by the TNPCB or by the District Environmental Committees. The Power supply has also been disconnected to the industries.

In case of violation of TNPCB norms by the CETPs:

- a) All the member units of the CETPs are closed.
- b) Power supply to CETPs and member units are disconnected.

At present two CETPs and member units at Kanchipuram and Sivagangai have been closed by the TNPCB and power supply disconnected.

## **XXV. IDOL IMMERSION:**

The Government of Tamil Nadu in view to maintain public peace, tranquility, public safety, regulation of traffic and control of pollution due to immersion of idols in Rivers notified guidelines in Government gazette and was published on 09.08.2018. Awareness programmes were conducted through District Collectors in all the District headquarters and towns requesting the public to:

- I. Avoid usage of plaster of paris and paints to make the Vinayagar idols.
- II. Encourage the use of clay for making idols as a tradition.

- III. Remove the worship materials like flowers, clothes, decorating materials etc., before immersion of idols.
- IV. Collect bio-degradable materials and to segregate materials separately for recycling or composting and for disposal in sanitary landfills respectively.
- V. Immerse the idols in designated water bodies identified by the District Administration and to follow the Government guidelines scrupulously.

Also, the following actions have been taken by the Government of Tamil Nadu and by Tamil Nadu Pollution Control Board.

- a) The Government of Tamil Nadu have issued orders vide G.O. MS No.765 public (law and order) Department date 30.08.2021 to obey the Hon'ble Supreme Court orders in case No.11366/2020, 11467/2020, etc., regarding idols immersions and celebrations of festivals.
- b) The Tamil Nadu Pollution Control Board published idols immersion locations district wise. Guidelines of Central Pollution Control Board, Ministry of Environment and Forests, Department May 12<sup>th</sup> 2020 notification have been published in local newspapers for creating public awareness.
- c) The Board monitors water quality of the said water bodies before & after immersion of idols. Idols were not immersed during the 2020-2021 Vinayagar Chaturthi due to COVID-19 pandemic, hence no water samples were collected from the designated water bodies. During 2022 – 2023 & 2023 – 2024 water samples have been collected and analysed. The water bodies are being monitored by the Tamil Nadu Pollution Control Board.

**XXVI.** Action Plans are prepared to rejuvenate Rivers Viz., Palar & Amaravathi and are under implementation. For Cooum and Adyar Polluted River Stretches Action Plans have been prepared and will be submitted for approval in the River Rejuvenation committee meeting and in turn will be submitted to CPCB for approval. At Cooum, Buckingham and Adyar Rivers the Government of Tamil Nadu is executing rejuvenation works at a cost of Rs.2371 crore.

#### **XXVII. SEDIMENTATION POLICY - STATUS AND INITIATIVES TAKEN UP AT STATE LEVEL**

For reservoirs and dams in Tamil Nadu, quantity of silt deposited has been quantified and the desilted quantity is arrived. In general, the top layer is allowed to farmers for taking sediments containing silt at free of cost as per G.O Ms. No.50 (Industries Dept.,) Government of Tamil Nadu. The balance quantity of the sediment is desilted and the sediment is used for bund formation as and when required. In the case of forest areas, the State Forest Department permission is obtained for desilting.

In the State in ten reservoirs/dams viz., Mettur, Amaravathi, Pechiparai, Vaigai, Srivaikundam, Vidur, Parapalar, Gundar, Ramanadhi and Willington have been proposed for desilting. Some of the works are under progress.

#### **XXVIII. Additional Polluted River Stretches – 2022**

The CPCB has identified Cooum (Priority – I), Adyar (Priority- I), Amaravathi (Priority – V) and Palar (Priority-V) Rivers as additional Polluted River Stretches during 2022. The Action Plans for Palar and Amaravathi are under implementation. For Cooum and Adyar Polluted River Stretches Action Plans have been prepared and will be submitted for approval of River Rejuvenation Committee and in turn will be submitted to CPCB for approval. For rejuvenating Cooum, Adyar and Buckingham canal

the Government of Tamil Nadu has issued principal approval for Rs. 2371 crore. Accordingly, the Government of Tamil Nadu has sanctioned Rs.1001 crore in phase - 1 to carry-out improvement works in Cooum and Adyar Rivers and the works are in different stages.

Also, the Government of Tamil Nadu vide G.O.(Ms) No.50, Municipal Administration and Water Supply (MW) Department dated 14.03.2024 has issued Administrative and Financial Sanction for the restoration of Adyar River in “Hybrid Annuity Model” for carrying –out pollution abatement works. For implementation of the above Government order preliminary works have been initiated.

So, apart from the preparation and implementation of Action Plans for Polluted River Stretches in the State the Special Purpose Vehicles of the State have commissioned many improvement works so as to improve the water quality of the Polluted River Stretches.

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**Note on existing and proposed Textile CETPs in Tamil Nadu**

**A) Existing CETPs in Tiruppur and Erode District**

In Tiruppur District, there are 18 CETPs with Zero Liquid Discharge system for operating capacity of 83530.85 KLD augmenting 359 Nos. of Textile units carrying bleaching and dyeing operations on yarn, fabric and knitted fabric. They are under operation with, ZLD system, of permitted capacity ranging from 70 % to 90%.

In Perundurai Taluk of Erode District, there is one Textile CETP operating with 85% capacity (3406 KLD) for 09 Nos. of member units. All the 19 CETPs have obtained Renewal of Consent for a period upto 31.03.2024.

**B) Existing CETPs with proposed ZLD system in Kancheepuram District**

The CETP Company of M/s.Ayyampet Muthiyalpet Bleaching Dyeing Effluent Treatment Co., Ltd was under closure of the Board from 01.07.2019, as the CETP have not implemented ZLD system for their 36 member units. They have prepared Detailed Project Report vetted by Indian Institute of Technology, Madras for the plant capacity of 1.5 MLD with 59 Nos. of member units at a project cost of Rs.74.61 Crores and submitted to the Ministry of Textiles, Govt. of India through the Department of Handlooms, Handicrafts, Textiles and Khadi Department, seeking fund from Central Government under Integrated Processing Development Scheme (IPDS).

**C) Proposed CETPs in Namakkal and Erode District**

There are 07 proposed CETPs with Zero Liquid Discharge System and 03 proposed Common Reject Management System (CRMS) having 585 members for a capacity of 41000 KLD at an estimated cost of Rs.1647.48 Crores located at Erode and Namakkal Districts. The 10 Detailed Project Reports (DPRs) vetted by Indian Institute of Technology, Madras has been forwarded to Ministry of Textiles, Government of India through Handlooms, Handicrafts, Textiles and Khadi (HHTK) Department, Government of Tamilnadu seeking fund from Central Government under Integrated Processing Development Scheme (IPDS).

Apart from the above, the funding to the above 10 proposals is also sought under Nadanthaai Vaazhi Cauvery Scheme implemented by the Ministry of Jal Sakthi, Government of India through Public Works Department(PWD).

**Details of CETPs for tanneries proposed/ under construction**

| S.No | Location | Name of CETPs | CETP Capacity | Status |
|------|----------|---------------|---------------|--------|
| Nil  | Nil      | Nil           | Nil           | Nil    |



**\*Gist of Report on the progress made on the Polluted River  
Stretches\*  
Tamil Nadu State  
Month: FEBRUARY 2024.**

| Sl. No. | Details of works                           | Action taken                                                                                                                                                                                                                                                                                                                                                   |
|---------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | <b>Polluted River Stretches identified</b> | Priority-I River Vasista, Thirumanimutharu, Adyar & Cooum;<br>Priority-II River Sarabanga;<br>Priority-III River Cauvery;<br>Priority - IV River Thamirabarani<br>Priority -V River Bhavani, Amaravathi & Palar.                                                                                                                                               |
| 2       | <b>Sewage Generation</b>                   | <b>3938.29 MLD</b> in Tamil Nadu.                                                                                                                                                                                                                                                                                                                              |
| 3.a.    | <b>Existing STPs</b>                       | There are <b>105 STPs</b> in operation with treatment capacity of <b>2366.93 MLD</b> and <b>40 FSTPs of 1.089 MLD</b> capacity. In addition, <b>1094.75 MLD</b> of sewage is treated using alternate technologies.                                                                                                                                             |
| b.      | <b>Under construction STPs</b>             | <b>12 STPs (250.12 MLD capacity)</b> and <b>11 FSTPs (0.25 MLD capacity)</b> are under construction and they are at various stages of implementation. Incremental increase of <b>0.23 to 7%</b> has been achieved during <b>February 2024</b> . The incremental progress of the under-construction projects of STPs/FSTPs are furnished as <b>Annexure-1</b> . |
| c.      | <b>Proposed STPs:</b>                      | <b>47 STPs</b> are proposed to fill the gap of treatment of sewage.                                                                                                                                                                                                                                                                                            |
| 4 a.    | <b>Existing MSW treatment :</b>            | a) Generation – <b>15497 TPD</b> .<br>b) Treatment capacity - <b>10587 TPD (Annexure-2)</b>                                                                                                                                                                                                                                                                    |
| b       | <b>Under construction MSW Facilities:</b>  | <b>119 MSW</b> facilities are being constructed to a capacity of <b>1373 TPD</b> .                                                                                                                                                                                                                                                                             |
| c.      | <b>Proposed MSW Facilities</b>             | <b>41 Nos.</b> of facilities are proposed to a capacity of <b>2230 TPD</b> .                                                                                                                                                                                                                                                                                   |
| d       | <b>Bio -mining</b>                         | a) Generated - <b>2,02,80,849 Cum.</b><br>b) Treated - <b>1,02,26,939 Cum.</b>                                                                                                                                                                                                                                                                                 |
| 5 a.    | <b>Existing CETPs</b>                      | There are <b>35 CETPs</b> existing in the State with a capacity of <b>1,14,682.85 KLD</b> . 33 CETPs are in operation, two CETPs at Trichy and Erode are not in operation.                                                                                                                                                                                     |
| b.      | <b>Proposed CETPs :</b>                    | Along the polluted river stretches, <b>10 CETPs of 41 MLD</b> are proposed for dyeing units and they are under proposal stage and not in operation. The DPRs for CETPs have been                                                                                                                                                                               |

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | forwarded to the Ministry of Textiles, Govt. of India for funding during 2017-2021 and fund is awaited. The Ministry of Textiles, GOI. has approved M/s Kadayampatti Common Effluent Treatment Plant vide. O.M dated:14.09.2016. No industry is in operation without zero liquid discharge system.                                     |                          |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------|--|---------|-------------------|-----------------------------|--------------------------|-------------------|---|-----------|---|---------|--------------|---|------------------|---|-----|---|---------|---|-----|---|---------|----|-----|---|---------|---|-----|---|---------------|----|-----|----|------------|---|-----|----|-------|---|---------|----|-------|---|----|-----|-------|---|----|
| 6.      | Biomedical waste management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | a) No of units - 29,944<br>b) Authorised quantity of BMW - 105.55 T/Day.<br>c)Average generation - 49.72 T/day                                                                                                                                                                                                                         |                          |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 7       | Hazardous Waste Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Total hazardous Waste generation is 9.64810 lakhs ton per annum. Out of which re-cyclable is 1.2081 lakhs ton/annum, utilizable is 7.30 lakhs ton/annum, land fillable is 0.9 lakhs ton/annum and incinerable is 0.24 lakhs tons/annum.                                                                                                |                          |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 8       | Coastal Management Plan:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | The Government of Tamil Nadu vide G.O.(D) No.193 dated: 04.10.2023 has issued orders to allot the work of preparation of comprehensive Action Plans to National Centre for Coastal Research (NCCR), Chennai.<br><br>The work order of Tamil Nadu Pollution Control Board has been issued to NCCR, Chennai. The work is under progress. |                          |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 9       | <b>Water Quality in Polluted River Stretches FEBRUARY 2024.</b> <table><tr><th>Sl. No.</th><th>Name of the River</th><th>No. of Monitoring Locations</th><th>BOD mg/L (Maximum Value)</th><th>Bathing Standards</th></tr><tr><td>1</td><td>Sarabanga</td><td>1</td><td>No flow</td><td rowspan="10">BOD &lt; 3 mg/l</td></tr><tr><td>2</td><td>Thirumanimutharu</td><td>1</td><td>120</td></tr><tr><td>3</td><td>Vasista</td><td>1</td><td>160</td></tr><tr><td>4</td><td>Cauvery</td><td>19</td><td>2.7</td></tr><tr><td>5</td><td>Bhavani</td><td>7</td><td>3.0</td></tr><tr><td>6</td><td>Thamirabarani</td><td>12</td><td>2.9</td></tr><tr><td>7.</td><td>Amaravathi</td><td>2</td><td>2.5</td></tr><tr><td>8.</td><td>Palar</td><td>1</td><td>No flow</td></tr><tr><td>9.</td><td>Cooum</td><td>5</td><td>25</td></tr><tr><td>10.</td><td>Adyar</td><td>5</td><td>20</td></tr></table> |                                                                                                                                                                                                                                                                                                                                        |                          |                   |  | Sl. No. | Name of the River | No. of Monitoring Locations | BOD mg/L (Maximum Value) | Bathing Standards | 1 | Sarabanga | 1 | No flow | BOD < 3 mg/l | 2 | Thirumanimutharu | 1 | 120 | 3 | Vasista | 1 | 160 | 4 | Cauvery | 19 | 2.7 | 5 | Bhavani | 7 | 3.0 | 6 | Thamirabarani | 12 | 2.9 | 7. | Amaravathi | 2 | 2.5 | 8. | Palar | 1 | No flow | 9. | Cooum | 5 | 25 | 10. | Adyar | 5 | 20 |
| Sl. No. | Name of the River                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No. of Monitoring Locations                                                                                                                                                                                                                                                                                                            | BOD mg/L (Maximum Value) | Bathing Standards |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 1       | Sarabanga                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                                                                                                                                                                                                                                                                                                                                      | No flow                  | BOD < 3 mg/l      |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 2       | Thirumanimutharu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                                                                                                                                                                                                                                                                                                      | 120                      |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 3       | Vasista                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                                                                                                                                                                                                                                                                                                                      | 160                      |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 4       | Cauvery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 19                                                                                                                                                                                                                                                                                                                                     | 2.7                      |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 5       | Bhavani                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7                                                                                                                                                                                                                                                                                                                                      | 3.0                      |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 6       | Thamirabarani                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12                                                                                                                                                                                                                                                                                                                                     | 2.9                      |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 7.      | Amaravathi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                                                                                                                                                                                                                                                                                                                                      | 2.5                      |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 8.      | Palar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1                                                                                                                                                                                                                                                                                                                                      | No flow                  |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 9.      | Cooum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5                                                                                                                                                                                                                                                                                                                                      | 25                       |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 10.     | Adyar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5                                                                                                                                                                                                                                                                                                                                      | 20                       |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 10.     | Reuse of treated wastewater :97.0 MLD of industrial effluent is treated and reused.<br>80.50 MLD of Sewage is treated and reused for agricultural and industrial purposes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                        |                          |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |
| 11.     | Maintenance of ground and surface water quality – WRD<br>a. Ground water quality: Along the polluted river stretches monitoring wells have been provided and the ground water is monitored.<br>b. Ground water regulation: Ground water (Management and development) Act to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                        |                          |                   |  |         |                   |                             |                          |                   |   |           |   |         |              |   |                  |   |     |   |         |   |     |   |         |    |     |   |         |   |     |   |               |    |     |    |            |   |     |    |       |   |         |    |       |   |    |     |       |   |    |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>regulate and manage the extraction of Ground water is under active consideration of the Government.</p> <p>c. <b>Good irrigation practices adopted by the State:</b> Village level awareness meetings are carried-out by the PWD to adopt crop rotation and good irrigation practices. Rehabilitation and modernization of tanks are carried-out by the PWD.</p> <p>d. <b>Rain Water Harvesting: 125</b> existing RWH structures along the PRS are provided; <b>14</b> Nos. are under progress and <b>283 Nos.</b> of recharging wells and check dams are proposed.</p> <p>e. <b>Demarcation of flood plain zones and removal of encroachments:</b> In the PRS for demarcation of flood plain zones and removal of encroachments drone surveys are proposed for which DPR is under preparation.</p> <p>F. <b>E-flow:</b> It will be maintained in the rivers of Sarabanga, Thirumanimutharu, Vasista after completion of STPs. In the rivers of Cauvery, Bhavani and Tamiraparani E- flow is being maintained.</p> |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Annexure- 1**  
**INCREMENTAL PROGRESS OF STPs UNDER CONSTRUCTION**

| Sl.No | Location                      | Capacity<br>(MLD) | % of Completion |                  | Incremental<br>Progress % |
|-------|-------------------------------|-------------------|-----------------|------------------|---------------------------|
|       |                               |                   | January<br>2024 | February<br>2024 |                           |
|       | <b>CMWSSB</b>                 |                   |                 |                  |                           |
| 1.    | Sholinganallur STP (Phase II) | 54                | 94.25           | 94.25            | -                         |
| 2.    | Perungudi STP Zone - V        | 60                | 86.0            | 87.05            | 1.05                      |
| 3.    | Perungudi TTUF                | 10                | 89.50           | 89.50            | -                         |
| 4.    | CRRT, Langs Garden MSTP       | 10                | 96.0            | 97.0             | 1.0                       |
|       | <b>DMA</b>                    |                   |                 |                  |                           |
| 5.    | Vellore                       | 50.0              | 91              | 91               | -                         |
| 6.    | Rameshwaram                   | 4.08              | 93              | 95               | 2.0                       |
| 7.    | Ponneri                       | 6.52              | 80              | 80               | -                         |
| 8.    | Pammal & Anagaputhur          | 27.0              | 58              | 60               | 2.0                       |
| 9.    | Tindivanam                    | 11.44             | 75              | 82               | 7.0                       |
|       | <b>CTP</b>                    |                   |                 |                  |                           |
| 10    | Sriperumbudur TP              | 8.50              | 97              | 97               | -                         |
| 11    | Thiruporur TP                 | 4.02              | 98              | 98               | -                         |

INCREMENTAL PROGRESS OF FSTPs UNDER CONSTRUCTION

| Sl.No      | Location          | Capacity<br>(MLD) | % of Completion                   |                                   | Incremental<br>Progress % |
|------------|-------------------|-------------------|-----------------------------------|-----------------------------------|---------------------------|
|            |                   |                   | January<br>2024                   | February<br>2024                  |                           |
|            | <b>DMA</b>        |                   |                                   |                                   |                           |
| 1          | Padmanabhapuram   | 0.02              | 75                                | 75                                | -                         |
| 5          | Gudalur           | 0.02              | 95                                | 95                                | -                         |
| 7          | Walajapet         | 0.03              | 32                                | 32                                | -                         |
| 8          | Sivakasi          | 0.04              | 58                                | 58                                | -                         |
| 9          | Keelakarai        | 0.02              | 90                                | 90                                | -                         |
| 10         | Vaniyambadi       | 0.03              | 62                                | 62                                | -                         |
| 11         | Kuzhithurai       | 0.04              | 90                                | 90                                | -                         |
| <b>CTP</b> |                   |                   |                                   |                                   |                           |
| 12         | Pennagaram TP     | 0.015             | 95                                | 95                                | -                         |
| 13         | Kaveripattinam TP | 0.015             | 95                                | 95                                | -                         |
| 14         | Kurumbalur TP     | 0.010             | 97                                | 97                                | -                         |
| 15         | Pennadam TP       | 0.010             | 100 % Civil<br>works<br>completed | 100 % Civil<br>works<br>completed | -                         |

Annexure-2

INCREMENTAL PROGRESS OF MUNICIPAL SOLID WASTE MANAGEMENT-STATE  
(ULBs)

| <i><b>Sl.<br/>No</b></i> | <i><b>Details</b></i>        | <i><b>Sept<br/>2023</b></i> | <i><b>Oct<br/>2023</b></i> | <i><b>Nov<br/>2023</b></i> | <i><b>Dec<br/>2023</b></i> | <i><b>Jan<br/>2024</b></i> | <i><b>Feb<br/>2024</b></i> | <i><b>Incremental<br/>increase (%)<br/>(January<br/>2023 to<br/>February<br/>2024)</b></i> |
|--------------------------|------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------------------------------------------------------------------------|
| 1                        | MSW generation (TPD)         | 15644                       | 15641                      | 15775                      | 16632                      | 15462                      | 15497                      | 0.23                                                                                       |
| 2                        | MSW treatment capacity (TPD) | 9311                        | 9360                       | 9423                       | 9071                       | 9278                       | 9422                       | 1.53                                                                                       |
| 3                        | MSW utilization (TPD)        | 8531                        | 8530                       | 8643                       | 8291                       | 8498                       | 8642                       | 1.67                                                                                       |

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**Format for submission of Monthly Progress Report in the NGT Matter OA  
No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)**

**For the State of Tamil Nadu (Chennai City) in February 2024**

**Overall status of the State:**

- I. Total Population: 74.38 Lakhs
- II. Estimated Sewage Generation (MLD): 680 (Max)

**III. Details of Sewage Treatment Plant:**

| S.No. | Details of Sewage Treatment Plant                        | State                                        | PRS |
|-------|----------------------------------------------------------|----------------------------------------------|-----|
| 1     | Existing no. of STPs and Treatment Capacity (in MLD)     | <b>1082.80</b>                               |     |
| 2     | Capacity Utilization of existing STPs (in ML)            | <b>15895.19</b><br><b>(Avg – 548.11 MLD)</b> |     |
| 3     | MLD of sewage being treated through Alternate technology | -                                            |     |
| 4     | Gap in Treatment Capacity in MLD                         | <b>Nil</b>                                   |     |
| 5     | No. of Operational STPs                                  | <b>22</b>                                    |     |
| 6     | No. of Complying STPs                                    | <b>22</b>                                    |     |
| 7     | No. of Non-complying STPs                                | <b>Nil</b>                                   |     |

**Details of each existing STP in the State & PRS – February 2024**

**Details of existing STPs:**

| No.       | Location                 | Existing STP Capacity | Capacity Being Utilized | Operational Status of STP                                 | Compliance Status of STP                                                                                                                                         |
|-----------|--------------------------|-----------------------|-------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>I</b>  | <b>Coovum River</b>      | <b>216.20</b>         | <b>142.99</b>           |                                                           | <b>Complied</b><br><br><u>Parameters Range</u><br>pH – 6.5 to 8.5<br>BOD - < 20 mg/l<br>COD – ≤ 250 mg/l<br>TSS - < 30 mg/l<br>Faecal Coliform – 10000MPN/100 ml |
| 1         | Koyambedu STP Zone - III | 34                    | 28.23                   | Operational                                               |                                                                                                                                                                  |
| 2         | Koyambedu STP Zone - III | 60                    | 52.16                   | Under Rehab                                               |                                                                                                                                                                  |
| 3         | Koyambedu STP Zone - III | 120                   | 62.53                   | Operational                                               |                                                                                                                                                                  |
| 4         | CRRT - Chetpet MSTP      | 1.0                   | 0.07                    | Operational                                               |                                                                                                                                                                  |
| 5         | CRRT- Nungambakkam MSTP  | 1.2                   | 0                       | Non-Operational – Due to flooding repair work in progress |                                                                                                                                                                  |
| <b>II</b> | <b>Adyar River</b>       | <b>181.60</b>         | <b>97.35</b>            |                                                           |                                                                                                                                                                  |
| 1         | Nesapakkam STP Zone IV   | 40                    | 17.70                   | Operational                                               |                                                                                                                                                                  |

|       |                                  |            |               |                                               |                                                                                                                                                                                                                                                                                                                                                        |
|-------|----------------------------------|------------|---------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2     | Nesapakkam STP Zone IV           | 54         | 33.24         | Operational                                   | <u>Revised Parameters</u><br><u>Range</u> (Source: NGT (PB)<br>Order dated 30.04.2019,<br>achieve revised<br>standards from<br>01.05.2026)<br><br>pH – 7 to 7.5<br>BOD - < 10 mg/l<br>COD – <50 mg/l<br>TSS - < 10 mg/l<br>Total Nitrogen - <10mg/l<br>Total Phosphate - <2 mg/l<br>Ammonia Nitrogen -<5<br>mg/l<br>Faecal Coliform –<br>100MPN/100 ml |
| 3     | Nesapakkam STP Zone IV           | 50         | 34.07         | Operational                                   |                                                                                                                                                                                                                                                                                                                                                        |
| 4     | Nesapakkam TTUF                  | 10         | 8.05          | Operational                                   |                                                                                                                                                                                                                                                                                                                                                        |
| 5     | CRRT Todd Hunter Nagar<br>MSTP   | 4          | 3.78          | Operational                                   |                                                                                                                                                                                                                                                                                                                                                        |
| 6     | CRRT Kotturpuram MSTP            | 0.6        | 0.51          | Operational                                   |                                                                                                                                                                                                                                                                                                                                                        |
| 7     | Nesapakkam STP Zone IV           | 23         | 0             | Non operation<br>– Under study<br>for Rehab   |                                                                                                                                                                                                                                                                                                                                                        |
| III   | <b>Buckingham Canal</b>          | <b>685</b> | <b>307.77</b> |                                               |                                                                                                                                                                                                                                                                                                                                                        |
| 1     | Kodungaiyur STP Zone – II<br>New | 120        | 44.69         | Operational                                   |                                                                                                                                                                                                                                                                                                                                                        |
| 2     | Kodungaiyur STP Zone - I         | 120        | 114.52        | Operational                                   |                                                                                                                                                                                                                                                                                                                                                        |
| 3     | Perungudi STP Zone - V           | 12         | 11.96         | Operational                                   |                                                                                                                                                                                                                                                                                                                                                        |
| 4     | Perungudi STP Zone-V             | 54         | 53.97         | Operational                                   |                                                                                                                                                                                                                                                                                                                                                        |
| 5     | Perungudi STP Zone – V           | 60         | 59.98         | Operational                                   |                                                                                                                                                                                                                                                                                                                                                        |
| 6     | Sholinganallur STP (phase<br>I)  | 18         | 17.96         | Operational                                   |                                                                                                                                                                                                                                                                                                                                                        |
| 7     | Thiruvottriyur STP               | 31         | 4.96          | Operational                                   |                                                                                                                                                                                                                                                                                                                                                        |
| 8     | Kodungaiyur STP Zone I&<br>II    | 110        | 0             | Non-<br>Operational –<br>Under Rehab          |                                                                                                                                                                                                                                                                                                                                                        |
| 9     | Kodungaiyur STP Zone II          | 80         | 0             | Non-                                          |                                                                                                                                                                                                                                                                                                                                                        |
| 10    | Kodungaiyur STP Zone I           | 80         | 0             | Operational –<br>Flow diverted<br>to 2*120MLD |                                                                                                                                                                                                                                                                                                                                                        |
| Total |                                  | 1082.80    | 548.11        |                                               |                                                                                                                                                                                                                                                                                                                                                        |

### Details of under construction STPs in the State& PRS

| No.          | Location                      | Capacity of the plant in MLD | Physical Progress in % | Status of I&D or House sewer connections | Completion Timeline                                  |
|--------------|-------------------------------|------------------------------|------------------------|------------------------------------------|------------------------------------------------------|
| 1            | Sholinganallur STP (phase II) | 54                           | 94.25                  |                                          | April 2024<br>(36+18) 18MLD trial run under progress |
| 2            | Perungudi STP Zone - V        | 60                           | 87.05                  |                                          | Augst 2024                                           |
| 3            | Perungudi TTUF                | 10                           | 89.50                  |                                          | Augst 2024                                           |
| 4            | CRRT- Langs Garden MSTP       | 10                           | 97.00                  |                                          | Trial run under progress<br>March 2024               |
| <b>Total</b> |                               | <b>134</b>                   |                        |                                          |                                                      |

**Details of proposed STPs in the State & PRS**

| No.          | Location | Capacity of the STP proposed in MLD | Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded) | Likely Date of Completion |
|--------------|----------|-------------------------------------|-----------------------------------------------------------------------|---------------------------|
|              |          |                                     |                                                                       |                           |
| <b>Total</b> |          |                                     |                                                                       |                           |

**Details of proposed STPs in the State**

| No.          | Location | Capacity of the STP proposed in MLD | Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded) | Likely Date of Completion |
|--------------|----------|-------------------------------------|-----------------------------------------------------------------------|---------------------------|
|              |          |                                     |                                                                       |                           |
| <b>Total</b> |          |                                     |                                                                       |                           |
|              |          |                                     |                                                                       |                           |

**IV. Details of Industrial Pollution:**

- No. of industries in the State& PRS:
- No. of water polluting industries in the State& PRS:
- Quantity of effluent generated from the industries in MLD:
- Quantity of Hazardous Sludge generated from the Industries in TPD:
- Number of industrial units having ETPs in State & PRS:
- Number of industrial units connected to CETP:
- Number and total capacity of ETPs (details of existing/ under construction / proposed)
- Compliance status of the ETPs:
- Number and total capacity of CETPs (details of existing/ under construction / proposed)
- Status of compliance and operation of the CETPs

| Town | No. of industries | Industrial discharge | Status of ETPs | Status of CETPs (existing, under construction & proposed) |
|------|-------------------|----------------------|----------------|-----------------------------------------------------------|
|      |                   |                      |                |                                                           |

**V. Solid Waste Management:**

- Total number of Urban Local Bodies and their Population
- Current Municipal Solid Waste Generation (**State & PRS**)

- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing e.g.- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc **(State & PRS)**
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) **(State & PRS)**
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) **(State & PRS)**
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source **(State & PRS)**
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) **(State & PRS)**
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers.

**Status of ULB wise Management of Solid Waste**

| ULB          | Total MSW generation in TPD | Total MSW being processed in TPD | Existing MSW facilities | Utilization Capacity of the existing MSW facilities | Proposed MSW Facilities & Completion Timeline |
|--------------|-----------------------------|----------------------------------|-------------------------|-----------------------------------------------------|-----------------------------------------------|
|              |                             |                                  |                         |                                                     |                                               |
| <b>Total</b> |                             |                                  |                         |                                                     |                                               |

**VI. Bio-medical Waste Management:**

- Total Bio-medical generation (State & PRS):
- No. of Hospitals and Health Care Facilities:
- Status of Treatment Facility/ CBMWTF:

**VII. Hazardous Waste Management:**

- Total Hazardous Waste generation **(State & PRS):**
- No. of Industries generating Hazardous waste
- Treatment Capacity of all TSDFs
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated

- Details of on-going or proposed TSDF

### **VIII. Plastic Waste Management:**

- Total Plastic Waste generation (State & PRS):
- Treatment/ Measures adopted for reduction or management of plastic waste:

IX. Details of Alternate Treatment Technology being adopted by the State/UT

X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment:

XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT:

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;

XIV. Ground water regulation:

XV. Good irrigation practices being adopted by the State:

XVI. Rain Water Harvesting:

XVII. Demarcation of Floodplain and removal of illegal encroachments:

XVIII. Maintaining minimum e-flow of river:

XIX. Plantation activities along the rivers:

XX. Development of biodiversity park:

XXI. Reuse of Treated Water:

XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:

XXIII. Status of Preparation of Action Plan by the 13 Coastal States:

XXIV. Regulation of Mining Activities in the State/UT:

XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

**FSTPs – Progress as on Feb-24**

| No | Status                        | Name of the ULBs   | Capacity in KLD | % of physical progress | Probable date of completion | Number of FSTPs |
|----|-------------------------------|--------------------|-----------------|------------------------|-----------------------------|-----------------|
| 1  | Completed & trial run ongoing | Kangeyam           | 20              | 100%                   |                             | 34              |
| 2  |                               | Kovilpatti         | 40              | 100%                   |                             |                 |
| 3  |                               | Tirumangalam       | 40              | 100%                   |                             |                 |
| 4  |                               | Dharapuram         | 30              | 100%                   |                             |                 |
| 5  |                               | Sengottai          | 20              | 100%                   |                             |                 |
| 6  |                               | Thuraiyur          | 20              | 100%                   |                             |                 |
| 7  |                               | Edappadi           | 30              | 100%                   |                             |                 |
| 8  |                               | Vickramasingapuram | 30              | 100%                   |                             |                 |
| 9  |                               | Kadayanallur       | 40              | 100%                   |                             |                 |
| 10 |                               | Pattukottai        | 30              | 100%                   |                             |                 |
| 11 |                               | Tiruchengode       | 40              | 100%                   |                             |                 |
| 12 |                               | Melur              | 20              | 100%                   |                             |                 |
| 13 |                               | Ambasamudiram      | 30              | 100%                   |                             |                 |
| 14 |                               | Mannargudi         | 30              | 100%                   |                             |                 |
| 15 |                               | Aruppukottai       | 40              | 100%                   |                             |                 |
| 16 |                               | Sankarankoil       | 30              | 100%                   |                             |                 |
| 17 |                               | Tenkasi            | 40              | 100%                   |                             |                 |
| 18 |                               | Srivilliputhur     | 30              | 100%                   |                             |                 |
| 19 |                               | Gudiyattam         | 30              | 100%                   |                             |                 |
| 20 |                               | Vandavasi          | 20              | 100%                   |                             |                 |
| 21 |                               | Paramakudi         | 40              | 100%                   |                             |                 |
| 22 |                               | Kootanallur        | 20              | 100%                   |                             |                 |
| 23 |                               | Thiruthuraipoondi  | 10              | 100%                   |                             |                 |
| 24 |                               | Puliangudi         | 40              | 100%                   |                             |                 |
| 25 |                               | Cumbum             | 40              | 100%                   |                             |                 |
| 26 |                               | Kulithalai         | 20              | 100%                   |                             |                 |
| 27 |                               | Attur              | 40              | 100%                   |                             |                 |

|    |           |                 |    |      |        |           |
|----|-----------|-----------------|----|------|--------|-----------|
| 28 |           | Sirkazhi        | 20 | 100% |        |           |
| 29 |           | Aranthangi      | 20 | 100% |        |           |
| 30 |           | Coonoor         | 10 | 100% |        |           |
| 31 |           | Virudhachalam   | 40 | 100% |        |           |
| 32 |           | Jayamkondan     | 20 | 100% |        |           |
| 33 |           | Vedharanyam     | 20 | 100% |        |           |
| 34 |           | Chengalpattu    | 20 | 100% |        |           |
| 35 | 0% to 95% | Padmanabhapuram | 20 | 75%  | Mar-24 | 7         |
| 36 |           | Gudalur         | 20 | 95%  | Mar-24 |           |
| 37 |           | Kuzhithurai     | 40 | 90%  | Mar-24 |           |
| 38 |           | Keelakarai      | 20 | 90%  | Apr-24 |           |
| 39 |           | Sivakasi        | 40 | 58%  | May-24 |           |
| 40 |           | Vanivambadi     | 30 | 62%  | May-24 |           |
| 41 |           | Walajapet       | 30 | 32%  | May-24 |           |
|    |           |                 |    |      |        | <b>41</b> |

### Legacy waste

| TN ULBs | legacy waste estimated (Cu.Mtr) | Legacy waste 100% biomined (Cu.Mtr) |                  | Under process (Balance Waste) Cu.Mtr |        |        |        |        |        |        | Remarks |
|---------|---------------------------------|-------------------------------------|------------------|--------------------------------------|--------|--------|--------|--------|--------|--------|---------|
|         |                                 | ULB                                 | Waste            | Aug-23                               | Sep-23 | Oct-23 | Nov-23 | Dec-23 | Jan-24 | Feb-24 |         |
| CMA     | 84.05 Lakhs Cu.m in 98 ULBs     | 80                                  | 54.82 Lakhs Cu.m | 12.7                                 | 12.13  | 11.56  | 11.32  | 11.16  | 10.93  | 10.69  |         |

**Overall status of STP**  
**Feb -24 month progress**

**I. Estimated Sewage Generation (MLD) : 1698.73 (State)**

Estimated Sewage Generation (MLD): 375.61 (PRS)

**II. Details of Sewage Treatment Plant:**

| S.No. | Details of Sewage Treatment Plant                        | State                       | PRS                       |
|-------|----------------------------------------------------------|-----------------------------|---------------------------|
| 1     | Existing no. of STPs and Treatment Capacity (in MLD)     | <b>70 Nos &amp; 1251.71</b> | <b>15Nos &amp; 310.52</b> |
| 2     | Capacity Utilization of existing STPs                    | <b>492.14</b>               | <b>165.05</b>             |
| 3     | MLD of sewage being treated through Alternate technology | <b>Nil</b>                  |                           |
| 4     | Gap in Treatment Capacity in MLD                         | <b>463.73</b>               | <b>65.09</b>              |
| 5     | No. of Operational STPs                                  | <b>70nos</b>                | <b>15 nos</b>             |
| 6     | No. of Complying STPs                                    | <b>70nos</b>                | <b>15 nos</b>             |
| 7     | No. of Non-complying STPs                                | <b>Nil</b>                  |                           |

**Details of each existing STP in the State & PRS**

| S. No | Location                            | Existing Capacity of STP (in MLD) | Capacity being Utilized (in MLD) | Operational Status of STP | Compliance Status of STP |
|-------|-------------------------------------|-----------------------------------|----------------------------------|---------------------------|--------------------------|
| 1     | Coimbatore - Ukkadam                | 70.00                             | 35.00                            | Operational               | Comply                   |
|       | Coimbatore - Ondiputhur             | 60.00                             | 3.00                             | Operational               | Comply                   |
|       | Coimbatore - Nanjudapuram           | 40.00                             | 10.00                            | Operational               | Comply                   |
|       | Coimbatore – Kuruchi & kuniyamuthur | 30.53                             | -                                | Under trial run           | -                        |
| 2     | Vellore                             | 10.28                             | 8.00                             | Operational               | Comply                   |
| 3     | Dindigul                            | 13.65                             | 4.00                             | Operational               | Comply                   |
| 4     | Avadi                               | 36.00                             | 8.00                             | Operational               | Comply                   |
|       | Avadi                               | 4.00                              | 2.00                             | Operational               | Comply                   |
| 5     | Madurai                             | 125.00                            | 24.00                            | Operational               | Comply                   |
|       | Madurai                             | 45.70                             | 15.00                            | Operational               | Comply                   |

|    |                                 |                            |       |                 |        |
|----|---------------------------------|----------------------------|-------|-----------------|--------|
| 6  | Thanjavur                       | 28.05                      | 14.00 | Operational     | Comply |
| 7  | Tiruppur                        | 15.00                      | 8.50  | Operational     | Comply |
|    | Tiruppur(Expansion of existing) | 15.00                      | -     | Under trial run | -      |
|    | Tiruppur (Sarkarperiyapalayam)  | 36.00                      | -     | Under trial run | -      |
|    | Tiruppur (Chinnandipalayam)     | 20.00                      | -     | Under trial run | -      |
| 8  | Cuddalore                       | 12.25                      | 6.70  | Operational     | Comply |
| 9  | Kanchipuram                     | 14.70                      | 14.70 | Operational     | Comply |
| 10 | Maraimalai Nagar                | 2.20                       | 2.20  | Operational     | Comply |
| 11 | Pallavapuram                    | (CMWSSB STP 115@Perungudi) |       | Operational     | Comply |
| 12 | Tiruvallur                      | 6.20                       | 5.50  | Operational     | Comply |
| 13 | Chidambaram                     | 9.44                       | 7.60  | Operational     | Comply |
| 14 | Thiruvannamalai                 | 8.70                       | 5.25  | Operational     | Comply |
| 15 | Viluppuram – (Kakuppam)         | 9.00                       | 8.00  | Operational     | Comply |
|    | Viluppuram (Erumanthangal)      | 3.50                       | 2.50  | Operational     | Comply |
| 16 | Arakkonam                       | 11.04                      | 4.00  | Operational     | Comply |
| 17 | Thirupathur                     | 11.43                      | 4.00  | Operational     | Comply |
| 18 | Bodinayakkanur                  | 12.08                      | 5.50  | Operational     | Comply |
| 19 | Chinnamanur                     | 3.99                       | 3.72  | Operational     | Comply |
| 20 | Periyakulam                     | 5.47                       | 4.00  | Operational     | Comply |
| 21 | Ramanathpuram                   | 7.00                       | 6.50  | Operational     | Comply |
| 22 | Rasipuram                       | 6.96                       | 3.50  | Operational     | Comply |
| 23 | Theni-Allinagaram               | 12.05                      | 9.50  | Operational     | Comply |
| 24 | Sivagangai                      | 4.92                       | 3.50  | Operational     | Comply |
| 25 | Dharmapuri                      | 4.86                       | 3.90  | Operational     | Comply |
| 26 | Karur                           | 15.00                      | 6.50  | Operational     | Comply |
| 27 | Krishnagiri                     | 12.34                      | 8.00  | Operational     | Comply |
| 28 | Namakkal                        | 7.00                       | 6.20  | Operational     | Comply |
| 29 | Nagapattinam STP-1              | 9.63                       | 5.10  | Operational     | Comply |
|    | Nagapattinam STP-2              | 2.69                       | 1.10  | Operational     | Comply |
| 30 | Tiruvarur                       | 6.92                       | 4.10  | Operational     | Comply |

|    |                         |       |       |                 |        |
|----|-------------------------|-------|-------|-----------------|--------|
| 31 | Ariyalur                | 4.16  | 2.10  | Operational     | Comply |
| 32 | Pudukkottai             | 10.62 | 8.50  | Operational     | Comply |
| 33 | Perambalur              | 4.20  | 3.60  | Operational     | Comply |
| 34 | Udhagamandalam          | 5.00  | 4.00  | Operational     | Comply |
| 35 | Udumalaipet             | 7.81  | 4.85  | Operational     | Comply |
| 36 | Virudhunagar            | 7.65  | 3.80  | Operational     | Comply |
| 37 | Tambaram                | 30.00 | 14.00 | Operational     | Comply |
| 38 | Tuticorin               | 28.00 | 9.00  | Operational     | Comply |
| 39 | Tiruchendur             | 3.90  | 2.00  | Operational     | Comply |
| 40 | Ulundurpet              | 3.15  | 0.67  | Under trial run | Comply |
| 41 | Pollachi                | 11.25 | 2.90  | Under trial run | Comply |
| 42 | Sattur                  | 4.65  | 1.50  | Under trial run | Comply |
| 43 | Karaikudi               | 16.00 | 0.50  | Under trial run | -      |
| 44 | Nagercoil               | 17.66 | -     | Under trial run | -      |
| 45 | Rajapalayam             | 21.85 | 6.60  | Operational     | Comply |
| 46 | Tiruchirappalli         | 58.00 | 58.00 | Operational     | Comply |
|    | Trichirapalli-STP2      | 37.00 | -     | Under trial run | -      |
| 47 | Salem - Vellakuttai STP | 13.00 | 12.00 | Operational     | Comply |
|    | Salem - Anaimeedu STP   | 6.00  | 5.00  | Operational     | Comply |
|    | Salem - Mankuttai STP   | 35.00 | 29.00 | Operational     | Comply |
|    | Salem - Vandipettai STP | 44.00 | 1.00  | Operational     | Comply |
| 48 | Tirunelveli             | 24.20 | 10.50 | Operational     | Comply |
| 49 | Erode                   | 50.55 | 25.00 | Operational     | Comply |
| 50 | Mettur STP-1            | 0.82  | 0.354 | Operational     | Comply |
|    | Mettur STP-2            | 0.92  | 0.314 | Operational     | Comply |
|    | Mettur STP-3            | 5.45  | 2.834 | Operational     | Comply |
| 51 | Kumbakonam              | 17.00 | 13.50 | Operational     | Comply |
| 52 | Mayiladuthurai          | 5.85  | 5.85  | Operational     | Comply |
| 53 | Sathiyamanagalam        | 4.08  | 1.00  | Operational     | Comply |
| 54 | Mettupalayam            | 8.65  | 0.70  | Operational     | Comply |
| 55 | Ambur                   | 16.71 | -     | Under trial run | Comply |

|              |               |                |               |  |  |
|--------------|---------------|----------------|---------------|--|--|
| <b>Total</b> | <b>70 nos</b> | <b>1251.71</b> | <b>492.14</b> |  |  |
|--------------|---------------|----------------|---------------|--|--|

**Details of under construction STPs in the State & PRS**

| <b>S.No</b>          | <b>Location</b>       | <b>Capacity of the plant in MLD</b> | <b>Physical Progress in %</b>                                                                                                                                   | <b>Status of I&amp;D or House sewer connections</b> | <b>Completion Timeline</b> |
|----------------------|-----------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------|
| 1                    | Vellore               | 50.00                               | 91%                                                                                                                                                             | -                                                   | June-24                    |
| 2                    | Rameswaran            | 4.08                                | 95%                                                                                                                                                             | -                                                   | April-24                   |
| 3                    | Ponneri               | 6.52                                | 80%                                                                                                                                                             | -                                                   | May-24                     |
| 4                    | Pammal & Anagaputhur  | 27.00                               | 60%                                                                                                                                                             | -                                                   | April-24                   |
| 5                    | Tindivanam            | 11.44                               | 82%                                                                                                                                                             | -                                                   | May-24                     |
| 6                    | Villupuram Added Area | 4.56                                | Due to Public objection this work has not been started. Alternate private land identified. Exchange of land with private land owners process in progress by RDO |                                                     |                            |
| <b>Total (6 nos)</b> |                       | <b>103.60</b>                       |                                                                                                                                                                 |                                                     |                            |

**Details of Proposed STPs in the State & PRS**

| <b>S. No</b> | <b>Name of the Project</b> | <b>No of STPs</b> | <b>STP Capacity (in MLD)</b> | <b>DPR status</b>                 |
|--------------|----------------------------|-------------------|------------------------------|-----------------------------------|
| 1            | Coimbatore (3 added area)  | 1                 | 9.95                         | Bids invited.                     |
| 2            | Hosur                      | 2                 | 32.65                        | Bids invited.                     |
| 3            | Tiruchirapalli             | 1                 | 100                          | LOA issued & work to be commenced |
| 4            | Tirunelveli                | 1                 | 58                           | Bids invited.                     |
| 5            | Karur                      | 1                 | 18.45                        | DPR under appraisal.              |
| 6            | Mannargudi                 | 1                 | 10.05                        | Bids invited.                     |
| 7            | Arupukottai                | 1                 | 13.24                        | Bids invited.                     |
| 8            | Maraimalai Nagar           | 2                 | 15.92                        | Bids invited.                     |
| 9            | Chengalpattu               | 1                 | 11.35                        | Bids invited.                     |
| 10           | Palani                     | 1                 | 12.88                        | Bids invited.                     |

|    |                                   |           |               |                                    |
|----|-----------------------------------|-----------|---------------|------------------------------------|
| 11 | Poonamala, Thiruverkadu & Mangadu | 1         | 80.91         | DPR under appraisal.               |
| 12 | Cuddalore                         | 1         | 12.59         | Tender received & under evaluation |
| 13 | Dindigul                          | 2         | 17.80         | Tender received & under evaluation |
| 14 | Kancheepuram                      | 1         | 30.00         | Bids invited.                      |
| 15 | Thiruvannamalai                   | 1         | 13.40         | Bids invited.                      |
| 16 | Pudukottai                        | 1         | 10.80         | Tender received & under evaluation |
| 17 | Namakkal                          | 1         | 11.23         | Tender received & under evaluation |
| 18 | Dharmapuri                        | 1         | 5.21          | Tender received & under evaluation |
|    | <b>Total</b>                      | <b>21</b> | <b>464.43</b> |                                    |

### III. Reuse of Treated Water:

The policy for promotion of use of Treated Waste Water is prepared with a vision to maximize the collection & treatment of sewage generated and reuse of treated waste water on a sustainable basis, thereby reducing dependency on fresh water resources. Further, the policy promotes use of treated waste water as an economic resource.

In this regard, Tamil Nadu Government has launched waste water reuse policy on December 2019. At present Memorandum of Understanding (MoU) has been executed between the ULB and the user agency for the re-use of secondary treated effluent water (STEW).

| S. No | Name of the ULB | Quantity (in MLD) | Usage/ Purpose                                                   |
|-------|-----------------|-------------------|------------------------------------------------------------------|
| 1     | Nagapattinam    | 2.00              | M/s KVK Power for cooling purpose                                |
| 2     | Dindugul        | 5.00              | To maintain the TDS level of Tanners as well for Agro- forestry. |
| 3     | Tirunelveli     | 24.00             | Nanguneri SEZ for Industries                                     |
| 4     | Perambalur      | 3.00              | MRF Industrial use                                               |

|    |                |       |                                         |
|----|----------------|-------|-----------------------------------------|
| 5  | Ramanathapuram | 3.00  | NTC Infra                               |
| 6  | Coimbatore     | 15.00 | Agricultural use to farmers association |
| 7  | Pollachi       | 11.50 | Agricultural use to farmers association |
| 8  | Chinnamannur   | 3.00  | Agricultural use                        |
| 9  | Karur          | 7.00  | Agricultural use                        |
| 10 | Arakkonam      | 7.00  | MRF Industrial use                      |

**National Mission for Clean Ganga**  
**Format for submission of Monthly Progress Report in the NGT Matter OA**  
**No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)**

**For the State of Tamil Nadu**

**I. Solid Waste Management: (For Polluted River Stretches ULBs)**

- Total number of Urban Local Bodies and their Population: **158 ULBs & Population - 1,98,84,343**
- Current Municipal Solid Waste Generation: **7518 TPD & 1314 TPD**
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc : **Enclosed**
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) Nil
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) : **6 ULBs and 375 TPD**
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source : **Enclosed**
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) : **Enclosed**
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills. **Nil**
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers- 1 no.(Erode) &19 acres – **Biomining Work completed**
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers – Nil.

| NMCG Format for Submission of Monthly Progress Report in the NGT Matter OA No.673 of 2018 |                                                                                                                      |                                                                             |                           |                                     |                                                                             |                           |                                     |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------|-------------------------------------|-----------------------------------------------------------------------------|---------------------------|-------------------------------------|
| (in compliance to NGT order dated 24.09.2020)                                             |                                                                                                                      |                                                                             |                           |                                     |                                                                             |                           |                                     |
|                                                                                           | For the Month of February 2024 -Department                                                                           | CMA                                                                         |                           |                                     |                                                                             |                           |                                     |
| V                                                                                         | Solid Waste Management:                                                                                              |                                                                             |                           |                                     |                                                                             |                           |                                     |
|                                                                                           |                                                                                                                      | Tamil Nadu State                                                            |                           |                                     | Polluted River Stretches                                                    |                           |                                     |
| 1                                                                                         | Total number of Urban Local Bodies and their Population                                                              | 158 ULBs / 1,98,84,343                                                      |                           |                                     | 21 ULBs / 31,09,821                                                         |                           |                                     |
| 2                                                                                         | Current Municipal Solid Waste Generation TPD                                                                         | 7518 TPD                                                                    |                           |                                     | 1679 TPD                                                                    |                           |                                     |
| 3                                                                                         | Existing MSW processing facilities                                                                                   | Total No.                                                                   | Installed Capacity (TPD)  | Utilization Capacity (TPD)          | Total No.                                                                   | Installed Capacity (TPD)  | Utilization Capacity (TPD)          |
| a.                                                                                        | Windrow Compost                                                                                                      | 66                                                                          | 209                       | 162                                 | 6                                                                           | 19                        | 16                                  |
| b.                                                                                        | Vermi Compost                                                                                                        | 27                                                                          | 115                       | 90                                  | 4                                                                           | 5                         | 3                                   |
| c.                                                                                        | Decentralized composting                                                                                             | 816                                                                         | 3120                      | 3036                                | 185                                                                         | 670                       | 645                                 |
| d.                                                                                        | Biomethanation                                                                                                       | 47                                                                          | 189                       | 140                                 | 13                                                                          | 53                        | 48                                  |
| e.                                                                                        | MRF/RRC                                                                                                              | 284                                                                         | 1228                      | 1228                                | 34                                                                          | 146                       | 146                                 |
| f.                                                                                        | others                                                                                                               | 891                                                                         | 450                       | 355                                 | 138                                                                         | 59                        | 56                                  |
| g.                                                                                        | Waste to Energy                                                                                                      |                                                                             |                           |                                     |                                                                             |                           |                                     |
| h.                                                                                        | Dry waste disposed to local vendors and Cement industries                                                            |                                                                             | 1320                      | 840                                 |                                                                             | 425                       | 268                                 |
|                                                                                           | <b>Total</b>                                                                                                         | <b>2131</b>                                                                 | <b>6631</b>               | <b>5851</b>                         | <b>380</b>                                                                  | <b>1377</b>               | <b>1182</b>                         |
| 4                                                                                         | Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%) |                                                                             |                           |                                     |                                                                             |                           |                                     |
| 5                                                                                         | No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)                   | Existing (No. & capacity)                                                   | Proposed (No. & Capacity) | Under construction (No. & Capacity) | Existing (No. & Capacity)                                                   | Proposed (No. & Capacity) | Under construction (No. & Capacity) |
|                                                                                           |                                                                                                                      | -                                                                           | 6 Nos & 375 TPD           | -                                   | -                                                                           | 1 No & 50 TPD             | -                                   |
| 6                                                                                         | Total no. of wards                                                                                                   | 5178                                                                        |                           |                                     | 717                                                                         |                           |                                     |
|                                                                                           | Total no. of wards having door to door collection service                                                            | 5004                                                                        |                           |                                     | 696                                                                         |                           |                                     |
|                                                                                           | Total no. of wards practicing segregation at source                                                                  | 4371                                                                        |                           |                                     | 633                                                                         |                           |                                     |
| 7a.                                                                                       | Details of MSW treatment facilities proposed (no.)                                                                   | 18 Nos                                                                      |                           |                                     | 6 Nos                                                                       |                           |                                     |
|                                                                                           | Details of MSW treatment facilities proposed (capacity, TPD)                                                         | 2230 TPD                                                                    |                           |                                     | 645 TPD                                                                     |                           |                                     |
|                                                                                           | Details of MSW treatment facilities proposed (technology)                                                            | Incineration for Dry waste and MCC for Wet waste                            |                           |                                     | Incineration for Dry waste and MCC for Wet waste                            |                           |                                     |
| 7b.                                                                                       | Details of MSW treatment facilities under construction (no.)                                                         | 113 Nos                                                                     |                           |                                     | 29 Nos                                                                      |                           |                                     |
|                                                                                           | Details of MSW treatment facilities under construction (capacity, TPD)                                               | 853 TPD                                                                     |                           |                                     | 263 TPD                                                                     |                           |                                     |
|                                                                                           | Details of MSW treatment facilities under construction (technology)                                                  | Micro Composting Centre, Incineration and RRC and Onsite composting Centres |                           |                                     | Micro Composting Centre, Incineration and RRC and Onsite composting Centres |                           |                                     |
| 8                                                                                         | No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.                                    | Nil                                                                         |                           |                                     | Nil                                                                         |                           |                                     |
| 9                                                                                         | No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers                                 | Nil                                                                         |                           |                                     | Nil                                                                         |                           |                                     |

| V    | Solid Waste Management:                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                                                                                                                                                 | Tamil Nadu State                                                                                                                                                                                                                                                                                                                                                                                                                                             | Polluted River Stretches                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 10   | No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers | -                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|      |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|      |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| VIII | Plastic Waste Management:                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1    | Total Plastic Waste generation:TPD                                                                                                              | 514                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 103                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2    | Treatment/ Measures adopted for reduction or management of plastic waste:                                                                       | All the ULBs are enforcing Source segregation of waste through IEC activities by animators and the saleable fraction of plastic waste is sold to recyclers and remuneration is paid back to sanitary workers. Apart from that a total quantity of 1679.35 MT of single use plastics had been seized and a penalty of Rs.9.27 crores has been collected. The seized plastics are stored at Resource Recovery Centres (RRC) and disposed to Cement industries. | All the ULBs are enforcing Source segregation of waste through IEC activities by animators and the saleable fraction of plastic waste is sold to recyclers and remuneration is paid back to sanitary workers. Apart from that a total quantity of 273.90 MT of single use plastics had been seized and a penalty of Rs.2.12 crores has been collected. The seized plastics are stored at Resource Recovery Centres (RRC) and disposed to Cement industries. |
|      |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**National Mission for Clean Ganga**  
**Format for submission of Monthly Progress Report**  
**(February 2024) in the NGT Matter OA No. 673 of 2018**  
**(in compliance to NGT order dated 24.09.2020)**

**For the State of Tamil Nadu**

**Overall status of the State:**

I. Total Population: 7665951

II. Estimated Sewage Generation (MLD): 429.29 MLD

**III. Details of Sewage Treatment Plant:**

| Sl.No. | Details of Sewage Treatment Plant                                           | State                         | PRS         |
|--------|-----------------------------------------------------------------------------|-------------------------------|-------------|
| 1      | Existing no. of STPs/FSTPs and Treatment Capacity (in MLD)                  | 12(32.42MLD)/<br>6(0.119 MLD) | 2(3.58 MLD) |
| 2      | Capacity Utilization of existing STP/FSTPs                                  | 57.359 MLD                    | -           |
| 3      | MLD of sewage being treated through Alternate technology (Onsite Treatment) | 38.49 MLD                     | -           |
| 4      | Gap in Treatment Capacity in MLD                                            | 358.261                       | 21.28       |
| 5      | No. of Operational STPs/FSTPs                                               | 12/6                          | 2           |
| 6      | No. of Complying STPs/FSTPs                                                 | 12/6                          | 2           |
| 7      | No. of Non-complying STPs/FSTPs                                             | -                             | -           |

**Details of proposed STPs in the State & PRS**

| Sl.No. | Name of the ULB | STP/FSTPs | STP/FSTPs capacity in MLD/KLD | Status of DPR Preparation | Status of DPR approval | Status of award of tender | Designated nodal Agency | Treatment Technology along with firm completion timelines | Remarks                                  |
|--------|-----------------|-----------|-------------------------------|---------------------------|------------------------|---------------------------|-------------------------|-----------------------------------------------------------|------------------------------------------|
| 1      | Sirugamani      | -         | -                             | DPR Stage                 | -                      | -                         | PWD                     | -                                                         | DPR is under preparation by WAPCOS/ PWD. |
| 2      | Mohanur         | -         | -                             | DPR Stage                 | -                      | -                         | PWD                     | -                                                         | "                                        |
| 3      | Velur           | -         | -                             | DPR Stage                 | -                      | -                         | PWD                     | -                                                         | "                                        |
| 4      | Bhavani sagar   | -         | -                             | DPR Stage                 | -                      | -                         | PWD                     | -                                                         | "                                        |
| 5      | Madathukulam    | -         | -                             | DPR Stage                 | -                      | -                         | PWD                     | -                                                         | "                                        |

| Sl.No. | Name of the ULB     | STP/FSTPs | STP/FSTPs capacity in MLD/KLD | Status of DPR Preparation | Status of DPR approval | Status of award of tender | Designated nodal Agency | Treatment Technology along with firm completion timelines | Remarks                                                                                                                                                      |
|--------|---------------------|-----------|-------------------------------|---------------------------|------------------------|---------------------------|-------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6      | Omalur              | -         | -                             | DPR Stage                 | -                      | -                         | PWD                     | -                                                         | "                                                                                                                                                            |
| 7      | Poolampatty         | -         | -                             | DPR Stage                 | -                      | -                         | PWD                     | -                                                         | "                                                                                                                                                            |
| 8      | Kuthalam            | -         | -                             | DPR Stage                 | -                      | -                         | PWD                     | -                                                         | "                                                                                                                                                            |
| 9      | Thirukattupalli     | -         | -                             | DPR Stage                 | -                      | -                         | PWD                     | -                                                         | "                                                                                                                                                            |
| 10     | Thiruvaiyaru        | -         | -                             | DPR Stage                 | -                      | -                         | PWD                     | -                                                         | "                                                                                                                                                            |
| 11     | Pethanaickenpalayam | -         | -                             | Completed                 | -                      | -                         | DTP                     | -                                                         | Tamilnadu Water Investment Company (M/s. TWIC) has been appointed as consultant for preparation of DPR.DPR submitted on 15.2.2022 byTWIC .DPR under scrutiny |
| 12     | Yethapur            | -         | -                             | Completed                 | -                      | -                         | DTP                     | -                                                         | "                                                                                                                                                            |
| 13     | Belur               | -         | -                             | Completed                 | -                      | -                         | DTP                     | -                                                         | "                                                                                                                                                            |
| 14     | Srivaikundam        | -         | -                             | Completed                 | -                      | -                         | DTP                     | -                                                         | "                                                                                                                                                            |
| 15     | Authoor             | -         | -                             | Completed                 | -                      | -                         | DTP                     | -                                                         | "                                                                                                                                                            |
| 16     | Eral                | -         | -                             | Completed                 | -                      | -                         | DTP                     | -                                                         | "                                                                                                                                                            |
| 17     | Alwarthirunagari    | -         | -                             | Completed                 | -                      | -                         | DTP                     | -                                                         | "                                                                                                                                                            |
| 18     | Then Thiruperai     | -         | -                             | Completed                 | -                      | -                         | DTP                     | -                                                         | "                                                                                                                                                            |
| 19     | Arumuganeri         | -         | -                             | Completed                 | -                      | -                         | DTP                     | -                                                         | "                                                                                                                                                            |
| 20     | Mukkudal            | STP       | 1.50                          | Completed                 | Completed              |                           | DTP                     | -                                                         | The SBM 2.0 2 <sup>nd</sup> State High Powered Committee meeting held on 26.02.2022 has approved                                                             |
| 21     | Gopalamudram        | STP       | 1.40                          | Completed                 | Completed              |                           | DTP                     | -                                                         |                                                                                                                                                              |
| 22     | Kallidaikurichi     | STP       | 3.09                          | Completed                 | Completed              |                           | DTP                     | -                                                         |                                                                                                                                                              |
| 23     | Cheranmahadevi      | STP       | 1.97                          | Completed                 | Completed              |                           | DTP                     | Completed                                                 |                                                                                                                                                              |

| Sl.No. | Name of the ULB | STP/FSTPs | STP/FSTPs capacity in MLD/KLD | Status of DPR Preparation | Status of DPR approval | Status of award of tender | Designated nodal Agency | Treatment Technology along with firm completion timelines | Remarks                                                                                                                        |
|--------|-----------------|-----------|-------------------------------|---------------------------|------------------------|---------------------------|-------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 24     | Veeravanallur   | STP       | 2.79                          | Completed                 | Completed              |                           | DTP                     | -                                                         | to establish Decentralised STP and DEWATS method. Administrative sanction issued on 21.03.2022 and works are in various stages |
| 25     | Patthamadai     | STP       | 1.61                          | Completed                 | Completed              |                           | DTP                     | Completed                                                 |                                                                                                                                |
| 26     | Mela Seval      | STP       | 0.53                          | Completed                 | Completed              |                           | DTP                     | -                                                         |                                                                                                                                |
| 27     | Naranammalpuram | STP       | 0.01                          | Completed                 | Completed              |                           | DTP                     | -                                                         |                                                                                                                                |

### **Details of each existing STP in the State & PRS**

| Sl. No. | Location                    | Existing STP Capacity | Capacity Being Utilized | Operational Status of STP | Compliance Status of STP |
|---------|-----------------------------|-----------------------|-------------------------|---------------------------|--------------------------|
| 1       | Mamallapuram                | 2.34                  | 2.34                    | Operational               | Complied                 |
| 2       | Orathanadu                  | 2.30                  | 1.60                    | Operational               | Complied                 |
| 3       | Palanichettyatti            | 2.80                  | 2.80                    | Operational               | Complied                 |
| 4       | Thirumazisai                | 3.00                  | 3.00                    | Operational               | Complied                 |
| 5       | Velankanni                  | 2.33                  | 1.80                    | Operational               | Complied                 |
| 6       | Manachanallur<br>S.Kannanur | 6.41                  | 1.85                    | Operational               | Complied                 |
| 7       | Vallam                      | 2.35                  | 2.35                    | Operational               | Complied                 |
| 8       | Perundurai                  | 3.14                  | 0.35                    | Operational               | Complied                 |
| 9       | Melachokanathapuram         | 2.00                  | 1.90                    | Operational               | Complied                 |
| 10      | Sulur                       | 2.17                  | 0.80                    | Operational               | Complied                 |
| 11      | Cheranmahadevi              | 1.97                  | 0.00                    | Operational               | Trial Run                |
| 12      | Patthamadai                 | 1.61                  | 0.00                    | Operational               | Trial Run                |
|         |                             | <b>32.42</b>          | <b>18.79</b>            |                           |                          |

| Sl. No.                   | Location            | Existing STP Capacity | Capacity Being Utilized | Operational Status of STP | Compliance Status of STP |
|---------------------------|---------------------|-----------------------|-------------------------|---------------------------|--------------------------|
| <b>Septage Management</b> |                     |                       |                         |                           |                          |
| 1                         | Karunguzhi          | 0.024                 | 0.024                   | Operational               | Complied                 |
| 2                         | Periyanaikanpalayam | 0.030                 | 0.030                   | Operational               | Complied                 |
| 3                         | Chengam             | 0.020                 | 0.010                   | Operational               | Trial Run                |
| 4                         | Alangayam           | 0.015                 | 0.005                   | Operational               | Trial Run                |
| 5                         | Mudukulathur        | 0.015                 | 0.005                   | Operational               | Trial Run                |
| 6                         | Jalakandapuram      | 0.015                 | 0.005                   | Operational               | Trial Run                |
| <b>TOTAL</b>              |                     | <b>0.119</b>          | <b>0.079</b>            |                           |                          |
|                           |                     | <b>32.539</b>         | <b>18.869</b>           |                           |                          |

#### **Details of under construction STPs in the State & PRS**

| Sl. No.                   | Location       | Capacity of the plant in MLD | Physical Progress in %     | Status of I&D or House sewer connections | Completion Timeline |
|---------------------------|----------------|------------------------------|----------------------------|------------------------------------------|---------------------|
| 1                         | Sriperumbudur  | 8.50                         | 97% completed              | 5695/6000                                | 31.03.2024          |
| 2                         | Thiruporur     | 4.02                         | 98% Completed              | 4479/4479                                | 31.03.2024          |
|                           | <b>Total</b>   | <b>12.52</b>                 |                            | <b>10174/10479</b>                       |                     |
| <b>Septage Management</b> |                |                              |                            |                                          |                     |
| 1                         | Pennagaram     | 0.015                        | 97% completed              | -                                        | 31.03.2024          |
| 2                         | Kaveripattinam | 0.015                        | 95% completed              | -                                        | 30.04.2024          |
| 3                         | Kurumbalur     | 0.010                        | 97% completed              | -                                        | 31.03.2024          |
| 4                         | Pennadam       | 0.010                        | 100% Civil Works completed | -                                        | 31.03.2024          |
|                           | <b>Total</b>   | <b>0.050</b>                 |                            |                                          |                     |

# **I. Solid Waste Management:**

- Total number of Urban Local Bodies and their Population – **State –490 (6923488) & PRS – 27 (397021)**
- Current Municipal Solid Waste Generation (**State - 1840 MT & PRS – 107.80 MT**)
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing e.g- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bioMethanation, MRF etc

| <b>State</b>                   | <b>PRS</b>                       |
|--------------------------------|----------------------------------|
| Total MSW generated - 1840 TPD | Total MSW generated - 107.80 TPD |
| Total MSW processed - 1707 TPD | Total MSW processed - 93.75 TPD  |
| Gap in processing - 133 TPD    | Gap in processing - 14.05 TPD    |

| <b>SN</b> | <b>Description</b>         | <b>State</b> |                              |                                 | <b>PRS</b> |                              |                                 |
|-----------|----------------------------|--------------|------------------------------|---------------------------------|------------|------------------------------|---------------------------------|
|           |                            | <b>Nos</b>   | <b>Installed Capacity MT</b> | <b>Utilization Capacity TPD</b> | <b>Nos</b> | <b>Installed Capacity MT</b> | <b>Utilization Capacity TPD</b> |
| <b>1</b>  | Windrow & Vermi Composting | 673          | 1240                         | 1240                            | 39         | 77                           | 77                              |
| <b>2</b>  | De-Centralised             | 39           | 112                          | 112                             | 4          | 7                            | 7                               |
| <b>3</b>  | Bio-Gas / Bio-Methanation  | 18           | 37                           | 37                              | 1          | 10                           | 10                              |
| <b>4</b>  | RRC                        | 489          | 499                          | 499                             | 27         | 36                           | 36                              |

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)

**State & PRS – Waste to energy plants are to be proposed on cluster basis.**

- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) (**State & PRS**)

- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source

| State                                                                                    | PRS                                                                                   |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Total no. of wards - 7621<br>Door to Door collection – 7314<br>Source segregation – 6857 | Total no. of wards - 465<br>Door to Door collection – 465<br>Source segregation – 418 |

- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)
- ✓ **So far 6 Incinerators have been completed, remaining 2 works cancelled.**
- ✓ **So far 9 Pyrolysis have been completed remaining 1 work has been cancelled.**
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers.

### **Status of ULB wise Management of Solid Waste**

#### **STATE**

| ULB | Total MSW generation in TPD | Total MSW being processed in TPD | Existing MSW Facilities    | Plant Capacity of the existing MSW facilities | Proposed MSW Facilities & Completion Timeline              |
|-----|-----------------------------|----------------------------------|----------------------------|-----------------------------------------------|------------------------------------------------------------|
| 490 | 1840                        | 1707                             | 1.windrow &Vermi compost   | 1240 TPD                                      | Waste to energy plants are to be proposed on cluster basis |
|     |                             |                                  | 2.Decentralized composting | 112 TPD                                       |                                                            |
|     |                             |                                  | 3. Biogas                  | 37 TPD                                        |                                                            |
|     |                             |                                  | 4.Incinerator              | 30 TPD                                        |                                                            |
|     |                             |                                  | 5.Pyrolysis                | 0.9 TPD                                       |                                                            |

**PRS**

| ULB | Total MSW generation in TPD | Total MSW being processed in TPD | Existing MSW Facilities                                                 | Plant Capacity of the existing MSW facilities | Proposed MSW Facilities & Completion Timeline              |
|-----|-----------------------------|----------------------------------|-------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------|
| 29  | 107.80                      | 93.75                            | 1. windrow & Vermi Compost<br>2. De-Centralized composting<br>3. Biogas | 77 MT<br><br>7 MT<br><br>10 MT                | Waste to energy plants are to be proposed on cluster basis |

**II. Bio-medical Waste Management:**

- Total Bio-medical generation (State & PRS):
- No. of Hospitals and Health Care Facilities:
- Status of Treatment Facility/ CBMWTF:

**III. Hazardous Waste Management:**

- Total Hazardous Waste generation (**State & PRS**):
- No. of Industries generating Hazardous waste
- Treatment Capacity of all TSDFs
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated
- Details of on-going or proposed TSDF

**IV. Plastic Waste Management:**

- Total Plastic Waste generation **State – 102 TPD & PRS – 6.2 TPD**
- Treatment/ Measures adopted for reduction or management of plastic waste:

**Recyclable/ Saleable plastics are been sold to authorized vendors**  
**Non- saleable plastics are been sent to cement factories and are used as a component for laying roads**

**GOVERNMENT OF TAMILNADU  
WATER RESOURCES DEPARTMENT**

From

**Er. S. Prabakaran, B.E.,**  
Chief Engineer, WRD,  
State Ground & Surface Water  
Resources Data Centre,  
Tharamani, Chennai - 600 113.  
Email: [cegwhchennai@gmail.com](mailto:cegwhchennai@gmail.com)

To

**The Deputy Director,**  
Tamil Nadu Pollution Control Board,  
76, Mount Salai,  
Guindy,  
Chennai - 600 032.

**Lr. No: DD(G)/ OT- /AGC / NGT - 673/2018 / 2022 Dated: 13.03.2024**

Sir,

Sub: NGT Case No. 673/2018- Central Monitoring Committee (CMC) - Tamil Nadu Pollution Control Board (TNPCB) - Submission of Monthly Progress Report in the prescribed formats for the month of **February 2024**, for **Six Polluted River Stretches**- Submission - Regarding.

Ref: 1. Email received from the Deputy Director, TNPCB dated: 07.03.2024.

The monthly progress reports of the following polluted river stretches are herewith enclosed in the prescribed format for your information and for further action please.

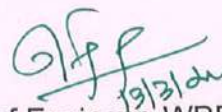
- (i) **Sirumugai to Kalingarayan Stretch in River Bhavani**
- (ii) **Thathayampatti to T.Konagapadi Stretch in Sarabanga River**
- (iii) **Manivilundhan to Thiyaganur Stretch in Vasista River**
- (iv) **Salem to Papparapatti Stretch in Thirumanimutharu River**
- (v) **Mettur to Mayiladuthurai Stretch in Cauvery River**
- (vi) **Pappankulam to Arumuganeri Stretch in Thamirabarani River**

**Enclosure:** Monthly progress reports

(Sd/-) Er. S. Prabakaran, 13.03.24  
Chief Engineer (SG & SWRDC).  
Tharamani, Chennai -113

Copy presented to the Additional Chief Secretary, to Government, WRD, Fort. St. George, Chennai-9

Copy to Engineer-in-Chief and Chief Engineer (General), WRD, Chepauk, Chennai- 5

  
for Chief Engineer, WRD,  
SG & SWRDC,  
Tharamani, Chennai -113.



Format for Submission of Monthly Progress Report by States/ UTs  
(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)  
For the Month of **February 2024** for TNPWD WRD

**XIII. Ground water regulation:**

|           |                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1.</b> | <b>Control of illegal Groundwater Abstraction</b> | <ul style="list-style-type: none"><li>• For effective management of Ground Water, action is being initiated against illegally operating companies as Per Honorable Madras High Court order passed under WP No.16299 / 2018. Totally <b>683</b> packaged drinking water firms who were illegally operating have been sealed and closed.</li><li>• Draft of "Tamil Nadu Water Resources Act" was prepared and sent to Government.</li></ul> |
|-----------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**I. Reach: Sirumugai to Kalingarayan stretch in Bhavani River**

**XIV. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;**

The general distribution of ground water quality varies between Good to moderate level.

The State Ground and Surface Water Resources Data centre is having water quality data for number of locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is being used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Coliform, Faecal Coliform has to be measured. With the water quality data available in this Department, it can be inferred whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that water samples may be collected along this river stretch and analysis may be performed for pollution parameters to identify the extent of pollution.

**XV. Good irrigation practices being adopted by the State:**

Awareness meeting are conducted under TNIAMP, ADB & State Funds. In some parts of the reach, DRIP irrigation is practiced.

**XVI. Rain Water Harvesting:**

| Existing structure | Ongoing works | Proposed works |
|--------------------|---------------|----------------|
| 45                 | --            | --             |

**XVII. Demarcation of Floodplain and removal of illegal encroachments:**

The identification of flood plain zones is in progress. Bio Diversity and afforestation will be carried out by Nadanthai Vaazhi Cauvery project. The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence.

55 Nos of encroachments belongs to fishing community. Hence, proposal for alternate land was already sent to the Secretary to Government, Revenue department, Secretariat, Chennai by the Commissioner, Land Administration Department, Chepauk, Chennai vide letter No F.2 / 41632 / 2005 / Dt.15.2.2006 and the file is long pending. The Assistant Engineer, WRD, Water Spread Section, Bhavanisagar has been issued Form VII to encroachers on 30.03.2022.

**XVIII. Maintaining minimum e-flow of river:**

An E-flow of **2057.10 Mcft.** (including Irrigation purpose) was maintained in the river Bhavani during the month of **February 2024.**

**XIX. Plantation activities along the rivers:**

The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence.

**XX. Development of biodiversity park:**

The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence.

## **II. Reach: Sarabanga River Thathayampatti to T.Konagapadi**

### **XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;**

The State Ground and Surface Water Resources Data Centre is having monitoring wells for observation of ground water quality in Danishpet, Omalur, Idaipadi, Thevur and Tharamangalam areas. While considering the Total dissolved solids of this stretch, it is found to vary between 276 mg/L to 946 mg/L. Thevur, Danishpet and Tharamangalam is having TDS of good quality whereas, the Omalur location having TDS value in the moderate quality.

The State Ground and Surface Water Resources Data centre is having water quality data for the lesser number of locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is being used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Coliform, Faecal Coliform have to be measured. With the water quality data available in this Department, it can be inferred whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that surface water samples may be collected along this river stretch and analysis may be performed for pollution parameters to identify the extent of pollution.

### **XIV. Good irrigation practices being adopted by the State:**

Awareness meeting are conducted under TNIAMP, ADB & State Funds. In some parts of the reach DRIP irrigation is practiced.

### **XV. Rain Water Harvesting:**

| Existing structure | Ongoing works | Proposed works       |
|--------------------|---------------|----------------------|
| 5                  | 2             | 10<br>Recharge wells |

### **XVI. Demarcation of Flood plain and removal of illegal encroachments:**

The identification of flood plain zones is in progress. Bio Diversity and afforestation will be carried out by Nadanthai Vaazhi Cauvery project. The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence. Encroachment if any

identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.

**XVII. Maintaining minimum e-flow of river:**

This river is only a flood carrier. The sewage water enters in to the river in Edapaddi Municipality, Omalur Town Panchayat and Poolampatti Town Panchayat. The above treatment plants are proposed under Nadanthai Vaazhi Cauvery Project. E flow will be maintained in this river after completion of sewage treatment plants, as the treated water will flow as environmental flow.

**XVIII. Plantation activities along the rivers:**

The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence.

**XIX. Development of biodiversity park:**

The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence.

### III. Reach: Vasista River Manivilundhan to Thiyaganur

#### **XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;**

The SG&SWRDC is having monitoring wells for observing water quality data for the areas Papanaiickenpatti, Yethapur, Attur and Thalaivasal. The analytical reports of the ground water analysis of these areas reveals that water quality is of the order of both good and moderate. The TDS values of these areas ranging between 365 to 2228 mg/L.

The State Ground and Surface Water Resources Data centre is having water quality data for lesser number of locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is being used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Coliform, Faecal Coliform has to be measured. With the water quality data available in this Department, it can be inferred whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that water samples may be collected along this river stretch and analysis may be performed for pollution parameters to identify the extent of pollution.

#### **XIV. Good irrigation practices being adopted by the State:**

Awareness meeting are conducted under TNIAMP, ADB & State Funds. In some parts of the reach DRIP irrigation is practiced.

#### **XV. Rain Water Harvesting:**

| Existing structure | Ongoing works | Proposed works |
|--------------------|---------------|----------------|
| 16                 | ---           | ---            |

#### **XVI. Demarcation of Floodplain and removal of illegal encroachments:**

No Flood plains zones have been identified. No Encroachment has also been identified in the stretch. In case of any encroachments reported in the future by Revenue department, action will be taken for immediate eviction.

**XVII. Maintaining minimum e-flow of river:**

This river is only a flood carrier. But the sewage water enters in to the river in Attur and Narasingapuram Municipality. After completion sewage treatment plants in the above location, the treated water will flow as environment flow.

**XVIII. Plantation activities along the rivers:**

There is no proposal at present.

**XIX. Development of biodiversity park:**

There is no proposal at present.

#### **IV. Reach: Salem to Papparapatti in Thirumanimutharu River**

**XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;**

For this stretch the SG& SWRDC having monitoring wells for observation ground water quality in Salem, Attayampatti, and palapatti areas. From the observed data it is inferred that the quality of water is in moderate level i.e in these places TDS value ranges between 255 to 1636 mg/L.

The State Ground and Surface Water Resources Data centre is having water quality data for lesser number of locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is being used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen(DO), Biochemical Oxygen Demand(BOD), Chemical Oxygen Demand(COD), Total Coliform, Faecal Coliform has to be measured. With the water quality data available in this Department, it can be whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that water samples may be collected along this river stretch and analysis may be performed for pollution parameters to identify the extent of pollution.

**XIV. Good irrigation practices being adopted by the State:**

Awareness meeting are conducted under TNIAMP, ADB & State Funds. In some parts of the reach DRIP irrigation is practiced.

**XV. Rain Water Harvesting:**

| Existing structure | Ongoing works | Proposed works                   |
|--------------------|---------------|----------------------------------|
| 6                  | ----          | 14<br>(Recharge well structures) |

**XVI. Demarcation of Flood plain and removal of illegal encroachments:**

The identification of flood plain zones is in progress. Bio Diversity and afforestation will be carried out by Nadanthai Vaazhi Cauvery Project. The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.

**XVII. Maintaining minimum e-flow of river:**

This river is only a flood carrier. The sewage water enters in to the river in Salem Corporation. Treatment plants have been proposed under Nadanthai Vaazhi Cauvery Project. E flow will be maintained in this river after completion sewage treatment plants, as the treated water will flow as environmental flow.

**XVIII. Plantation activities along the rivers:**

The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence.

**XIX. Development of biodiversity park:**

The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence.

## **V. Reach: Mettur to Mayiladuthurai stretch in Cauvery River**

### **XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;**

This river stretch comprises districts of Dharmapuri, Erode, Salem, Namakkal, Karur, Trichy, Cuddalore and Thanjavur. The State Ground water Department is having ground water quality data for the areas of Dharmapuri, Mettur, Bhavani, Salem, Paramathivelur, Namakkal, Kumarapalayam, Karur, Erode, Musiri, Trichy, Kulithalai, Thanjavur, Kumbakonam and Mayiladuthurai. While considering the TDS value of Dharmapuri taluk it is found to vary between 382 to 1715 mg/L and the quality of ground water lies Moderate quality. In case of Bhavani river the TDS values ranging between Good to moderate. While reviewing WQ data of Salem, the TDS values found to vary between 254 to 2057 mg/L, the available ground water in Salem is having good, moderate and poor quality with major proportion moderate ground water. The water quality data of Namakkal shows the TDS values range between 353 to 4047 mg/L. The most of the location in Namakkal shows moderate water quality. While reviewing the water quality data of Trichy and Musiri the water quality is found to vary between good and moderate in most of the places with very few places having poor quality. Most of the locations in Cuddalore and Thanjavur are having good quality water. In Cuddalore district TDS values more than 2000 mg/L in Nagapanur, Chidambaram and Tiruvamur villages.

The State Ground and Surface Water Resources Data centre is having water quality data for lesser number of locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is being used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Coliform, Faecal Coliform has to be measured. With the water quality data available in this Department, it can be inferred whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that water samples may be collected along this river stretch and analysis may be performed for pollution parameters to identify the extent of pollution.

### **XIV. Good irrigation practices being adopted by the State:**

Awareness meeting are conducted under TNIAMP, ADB & State Funds. In some parts of the reach DRIP irrigation is practiced.

**XV. Rain Water Harvesting:**

| Existing structure | Ongoing works | Proposed works |
|--------------------|---------------|----------------|
| 44                 | 10            | 29             |

**XVI. Demarcation of Floodplain and removal of illegal encroachments:**

The identification of flood plain zones is in progress. Bio Diversity and afforestation will be carried out by Nadanthai Vaazhi Cauvery project. The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence. Encroachment if any identified during the survey will be evicted and other management works will be completed after rehabilitation and resettlement.

**XVII. Maintaining minimum e-flow of river:**

Mettur dam is opened for irrigation from June 12<sup>th</sup> to January 28<sup>th</sup> based on availability of water every year. It is opened for drinking purpose in the remaining days, during the monsoon period at flood time the maximum flood discharge in the river has been 284606 cusecs on 08.07.1961. Usually a monthly minimum average E flow of 0.10 TMC is maintained. The E flow is maintained for more than 8 months. During the month of February 2024 an E Flow of 0.178 TMC was maintained.

**XVIII. Plantation activities along the rivers:**

The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence.

**XIX. Development of biodiversity park:**

The Nadanthai Vaazhi Cauvery Project DPR – Phase-I completed by WAPCOS and submitted to NRCD through EPTRI. The NRCD has accorded approval and given recommendation. The replies to NRCD observations and also funding pattern are submitted to the Govt. of Tamil Nadu for getting financial concurrence.

## **VI. Reach: Pappankulam to Arumuganeri Stretch in Thamirabarani River**

### **XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;**

In Thamirabarani stretch, this department is having water quality data for Cheranmadevi, Thiruvidaimaruthur, Ambasamudram, Tirunelveli, Palayamkottai, and Ariyanaygipuram. The collected data shows the ground water quality of this stretch is having all three types of good, poor and moderate based on TDS.

The State Ground and Surface Water Resources Data centre is having water quality data for lesser number locations. Moreover this department is mainly concerned with the analysis of inorganic parameters and hence TDS is used as a vital tool in determining the quality of water as Good, Moderate or poor quality. But to identify pollution in an area, the pollution parameters such as Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Coliform, Faecal Coliform has to be measured. With the water quality data available in this Department, it can be inferred whether ground water of a particular area is suitable for drinking or not.

Hence it is suggested that surface water samples may be collected along the river stretches and analysis may be performed for pollution parameters to identify the extent of pollution.

### **XIV. Ground water regulation:**

|           |                                                   |                                                                                                                                        |
|-----------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>1.</b> | <b>Control of illegal Groundwater Abstraction</b> | <ul style="list-style-type: none"><li>• In Thamirabarani basin area 9 illegally operating firms have been sealed and closed.</li></ul> |
|-----------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|

### **XV. Good irrigation practices being adopted by the State:**

Village level awareness campaigns were conducted periodically by PWD officials to adopt the crop rotation to have a good irrigation practices. Rehabilitation and modernization of Tanks, Anicuts and Supply channels are being carried out in TNIAMP project vide GO Ms No: 140 PW (WR 1) Dept Dt: 21.06.2017 for an amount of Rs.107.09 crores. Kudimaramath woks Vide G.O (Ms).No.98PW (W1) Dept/Dt: 22.04.2020 for an amount of Rs. 16.365 Crores. Is carried out in Tirunelveli and Thoothukudi Districts.

### **XVI. Rain Water Harvesting:**

| <b>Existing structure</b> | <b>Ongoing works</b> | <b>Proposed works</b>                     |
|---------------------------|----------------------|-------------------------------------------|
| 9                         | 2                    | Barrages 3 nos at cost of Rs. 230 Crores. |

**XVII. Demarcation of Floodplain and removal of illegal encroachments:**

To prepare comprehensive flood protection plan for Thamirabarani River Rs. 4.00 Lakhs has been allotted vide GO Ms. No. 37 Revenue (DMII) Department 9.02.2017. Estimate has been prepared for Rs. 4.00 Lakhs for the demarcation of Flood plain zone and steps are being taken for the Protection and management of Flood plain Zones of Thamirabarani River. Moreover in Tirunelveli Corporation, Prosopis Juliflora on the river stretches for a length of 10km from Vilagam to Naranammalpuram river bridge were removed at a cost of 140.00 lakhs vide GO (2D) No. 14 PW (P2) Dept Dated 8.03.2019 to restore the River course for a free flow flood water.

In River Banks of the Thamirabarani, the following encroachments were identified and demarcated by the water resources department/Public works department.

| Sl.No. | District    | Encroachment Nos | Evicted Nos | Balance to be evicted Nos |
|--------|-------------|------------------|-------------|---------------------------|
| 1.     | Tirunelveli | 683              | 639         | 44                        |
| 2.     | Thoothukudi | 1084             | 117         | 967                       |
|        | Total       | 1767             | 756         | 1011                      |

The issue of eviction notices to the encroachers under eviction of encroachment act is under progress in Tirunelveli and Thoothukudi Districts.

**XVIII. Maintaining minimum e-flow of river:**

An average of **1320.06 cusecs** of water is released into the river in the month of **February 2024** to ensure minimum environmental flow.

**XIX. Plantation activities along the rivers:**

At present there is no proposal on plantation on the River Banks and investigation works are being taken to implement it by Forest Department.

**XX. Development of biodiversity park:**

At present there is no proposal on biodiversity parks on the encroached River stretches and investigation works are being taken to implement it.

**XXI. Rejuvenation of River Thamirabarani:**

A DPR for rejuvenation of River Thamirabarani and its tributaries have been prepared for Rs.1024 Crores by the environmental wing of Water Resources Department and has been submitted to the Engineer in Chief and Chief Engineer (General). It is under perusal for onward submission to the Government of Tamil Nadu.

(Sd/-) Er. S. Prabakaran, 13.03.24  
Chief Engineer (SG & SWRDC).  
Tharamani, Chennai -113



for Chief Engineer, WRD,  
SG & SWRDC,  
Tharamani, Chennai -113.



| NMCG Format for Submission of Monthly Progress Report in the NGT Matter<br>OA No.673 of 2018 |                                                                                                                                                                                              |                                                                                                                                                                                                                                                          |                          |                            |         |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------|---------|
| (in compliance to NGT order dated 24.09.2020)                                                |                                                                                                                                                                                              |                                                                                                                                                                                                                                                          |                          |                            |         |
| For the Month of February 2024 - Prepared By Greater Chennai Corporation                     |                                                                                                                                                                                              |                                                                                                                                                                                                                                                          |                          |                            |         |
| Solid Waste Management                                                                       |                                                                                                                                                                                              |                                                                                                                                                                                                                                                          |                          |                            |         |
| Tamil Nadu State                                                                             |                                                                                                                                                                                              |                                                                                                                                                                                                                                                          |                          |                            |         |
| 1                                                                                            | Total number of Urban Local Bodies and their Population                                                                                                                                      | 89 LAKHS                                                                                                                                                                                                                                                 |                          |                            |         |
| 2                                                                                            | Current Municipal Solid Waste Generation TPD                                                                                                                                                 | 6074                                                                                                                                                                                                                                                     |                          |                            |         |
| 3                                                                                            | Existing MSW processing facilities                                                                                                                                                           | Total No.                                                                                                                                                                                                                                                | Installed Capacity (TPD) | Utilization Capacity (TPD) | Remarks |
| a.                                                                                           | Windrow Compost                                                                                                                                                                              | 2                                                                                                                                                                                                                                                        | 100                      | 73.84                      |         |
| b.                                                                                           | Vermi Compost                                                                                                                                                                                | 0                                                                                                                                                                                                                                                        | 0                        | 0                          |         |
| c.                                                                                           | Decentralized pit composting                                                                                                                                                                 | 206                                                                                                                                                                                                                                                      | 581                      | 369                        |         |
| d.                                                                                           | Biomethanation                                                                                                                                                                               | 6                                                                                                                                                                                                                                                        | 21                       | 21                         |         |
| e.                                                                                           | MRF/RRC                                                                                                                                                                                      | 190                                                                                                                                                                                                                                                      | 468                      | 355                        |         |
| f.                                                                                           | Others: (Breakup)<br>Incinerators - 3 No (65 MTD)<br>Gardengarbage & Tender coconut shell processing plant - 4 locations (320 MTD)<br>Offtake of baled plastic to cement factories (300 MTD) | 8                                                                                                                                                                                                                                                        | 685                      | 143                        |         |
| g.                                                                                           | Waste to Energy<br>1. Bio-gas                                                                                                                                                                | 34                                                                                                                                                                                                                                                       | 13                       | 9                          |         |
|                                                                                              | 2. Bio-CNG                                                                                                                                                                                   | 2                                                                                                                                                                                                                                                        | 200                      | 138                        |         |
|                                                                                              | <b>Total</b>                                                                                                                                                                                 | <b>448</b>                                                                                                                                                                                                                                               | <b>2068</b>              | <b>1109</b>                |         |
| 4                                                                                            | Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)                                                                         | <b>Proposed plants</b><br>Bio-CNG 2nos -550 TPD KDG & 200 TPD PDG<br>Compost 2nos - 800 TPD KDG & 500 TPD PDG<br>MRF (Automatic) - 2nos 1400 TPD KDG and 1200 TPD at PDG<br>Waste to Engery - 1 No 1400 TPD at KDG<br>Sanitary Landfill - 550 TPD at KDG |                          |                            |         |
| 5                                                                                            | No. and capacity of C&D waste processing plants in TPD                                                                                                                                       | 2 no<br>(400 each)                                                                                                                                                                                                                                       | 800                      | 499                        |         |
| 6                                                                                            | Total no. of wards                                                                                                                                                                           | 200                                                                                                                                                                                                                                                      |                          |                            |         |
| 7                                                                                            | Total no. of wards having door to door collection service                                                                                                                                    | 200                                                                                                                                                                                                                                                      |                          |                            |         |
| 8                                                                                            | Total no. of wards practicing segregation at source                                                                                                                                          | 200                                                                                                                                                                                                                                                      |                          |                            |         |
| 9                                                                                            | Details of MSW treatment facilities proposed (no.)                                                                                                                                           |                                                                                                                                                                                                                                                          |                          |                            |         |
| 10                                                                                           | Details of MSW treatment facilities proposed (capacity,TPD)                                                                                                                                  | <b>Proposed plants</b><br>Bio-CNG 2nos -550 TPD KDG & 200 TPD PDG<br>Compost 2nos - 800 TPD KDG & 500 TPD PDG<br>MRF (Automatic) - 2nos 1400 TPD KDG and 1200 TPD at PDG<br>Waste to Engery - 1 No 1400 TPD at KDG<br>Sanitary Landfill - 550 TPD at KDG |                          |                            |         |

|    |                                                                                                                                                 |                                                                                                                                     |                                               |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 11 | Details of MSW treatment facilities proposed (technology)                                                                                       | MRF, COMPOST, BIO CNG, WASTE TO ENERGY                                                                                              |                                               |
| 12 | Details of MSW treatment facilities under construction (no.)                                                                                    | 5                                                                                                                                   | Bio-CNG 5nos -100 TPD each under construction |
| 13 | Details of MSW treatment facilities under construction (capacity, TPD)                                                                          | 500                                                                                                                                 |                                               |
| 14 | Details of MSW treatment facilities under construction (technology)                                                                             | Bio CNG                                                                                                                             |                                               |
| 15 | No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.                                                               | 5nos / 539.78 acres                                                                                                                 |                                               |
| 16 | No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers                                                            | Nil                                                                                                                                 |                                               |
| 17 | No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers | 272 (Storm water drains falling into rivers)                                                                                        |                                               |
|    | <b>Status of ULB wise SWM</b>                                                                                                                   |                                                                                                                                     |                                               |
|    | ULB                                                                                                                                             | Greater Chennai Corporation (GCC)                                                                                                   |                                               |
|    | Total MSW generated in TPD                                                                                                                      | 6074                                                                                                                                |                                               |
|    | Total MSW processed in TPD                                                                                                                      | 1109                                                                                                                                |                                               |
|    | Existing MSW facilities                                                                                                                         | MCC, Bio CNG, Bio Gas, Biomethanation, Windrow Compost, Horticulture Waste process, RRC MRF, Incinerator, Off take, Baling machines |                                               |
|    | Utilization capacity of the existing MSW facilities                                                                                             | 1096                                                                                                                                |                                               |
|    | Proposed MSW Facilities & Completion Timeline                                                                                                   |                                                                                                                                     |                                               |
|    | <b>Status of ULB/RLB wise SWM</b>                                                                                                               |                                                                                                                                     |                                               |
|    | ULB/RLB (No.),                                                                                                                                  | Tamil Nadu State                                                                                                                    |                                               |
|    | Total MSW generated in TPD                                                                                                                      |                                                                                                                                     |                                               |
|    | Total MSW processed in TPD                                                                                                                      |                                                                                                                                     |                                               |
|    | Existing MSW facilities                                                                                                                         |                                                                                                                                     |                                               |
|    | Utilization capacity of the existing MSW facilities                                                                                             |                                                                                                                                     |                                               |
|    | Proposed MSW Facilities & Completion Timeline                                                                                                   |                                                                                                                                     |                                               |
|    | <b>Plastic Waste Management:</b>                                                                                                                |                                                                                                                                     |                                               |
| 1  | Total Plastic Waste generation: (in MT)                                                                                                         | 485                                                                                                                                 |                                               |
| 2  | Treatment/ Measures adopted for reduction or management of plastic waste:                                                                       | RRC, MRF, Incinerator, Pyrolysis Plant, Offtake, Baling machines                                                                    |                                               |
|    | <b>Regulation of /Mining Activities in the State/UT</b>                                                                                         |                                                                                                                                     |                                               |

M. P. S. S.  
12/3/24

  
15-3-2024  
EXECUTIVE ENGINEER (SWM)

GREATER CHENNAI CORPORATION DUMPSTITE DETAILS AS ON 29.02.2024

| S.NO | State      | ULB/City | ULB Code | Ward Number | Dumpsite Id | Dumpsite Name        | Address              | latitude | longitude | Status                                                                           | Dumpsite Area (Acres) | Project cost (Rs in crore) | Waste Quantity (cu.m) | Quantity Remediated (cu.m) | % Remediated |
|------|------------|----------|----------|-------------|-------------|----------------------|----------------------|----------|-----------|----------------------------------------------------------------------------------|-----------------------|----------------------------|-----------------------|----------------------------|--------------|
| 1    | TAMIL NADU | CHENNAI  | 803339   | 37          | 6563        | Kodungaiyur dumpsite | Zone 4 Kodungaiyur   | 13.13    | 80.27     | The work was inaugurated by Honourable Chief Minister of Tamilnadu on 24.02.2024 | 269                   | 640.83                     | 7,391,673             | -                          | -            |
| 2    |            |          |          | 186         | 6584        | Perungudi dumpsite   | Zone 14 Perungudi    | 12.95    | 80.23     | On-Going                                                                         | 225                   | 350.65                     | 3,061,585             | 2,485,509                  | 81.00        |
| 3    |            |          |          | 86          | 6351        | Athipattu            | Zone 7 Athipattu     | 13.10    | 80.15     | Completed                                                                        | 12                    | 7.54                       | 107,811               | 1,07,811                   | 100.00       |
| 4    |            |          |          | 183         | 6352        | Pallikaranai         | Zone 14 Pallikaranai | 12.96    | 80.21     | Completed                                                                        | 15                    | 2.48                       | 40,853                | 40,853                     | 100.00       |
| 5    |            |          |          | 7           | 6353        | Sathankadu           | Zone 1 Sathankadu    | 13.16    | 80.29     | Completed                                                                        | 18.78                 | 9.98                       | 125,635               | 1,25,635                   | 100.00       |

*[Signature]*

Executive Engineer (SWM)

*[Signature]*  
15.3.2024

**TAMIL NADU POLLUTION CONTROL BOARD**

**76, Mount Salai, Guindy, Chennai - 600 032.**

**Water Quality Status of Polluted River Stretches**

**River Adyar - Polluted river stretches from Tambaram to Nandanam bridge - 30.10  
KM - Priority-I**

| Sl. No. | Name of station       | Station<br>Code No. | Feb-24   |      |                   |                           |                           |
|---------|-----------------------|---------------------|----------|------|-------------------|---------------------------|---------------------------|
|         |                       |                     | D.O mg/L | pH   | BOD at 27° C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml |
| 1       | Ekkattuthangal        | 10034               | 4.3      | 7.3  | 8                 | 120                       | 1200                      |
| 2       | Jafferkhanpet         | 10035               | 4.2      | 7.3  | 7                 | 120                       | 1200                      |
| 3       | Maraimalai Bridge     | 10036               | 4.3      | 7.16 | 11                | 110                       | 1100                      |
| 4       | Kotturpuram<br>Bridge | 10038               | 3.8      | 7.09 | 20                | 120                       | 1400                      |
| 5       | Near Boat Club        | 10039               | 3.6      | 7.14 | 13                | 170                       | 1400                      |

**Standard limit for pH 6.5 to 8.5**

**Standard limit for DO 5.0 mg/l or more**

**Standard limit for BOD 3 mg/L or less**

**Standard limit for Total coliform MPN/100ml shall be 500 or less**



**TAMIL NADU POLLUTION CONTROL BOARD**

**76, Mount Salai, Guindy, Chennai - 600 032.**

**Water Quality Status of Polluted River Stretches**

**River Thamirabarani Polluted river stretches from Pappankulam to  
Arumuganeri - 80 KM - Priority-IV**

| Sl.<br>No. | Name of station    | Station<br>Code<br>No. | Feb-24      |     |                   |                              |                              |
|------------|--------------------|------------------------|-------------|-----|-------------------|------------------------------|------------------------------|
|            |                    |                        | D.O<br>mg/L | pH  | BOD at 27° C mg/L | Fecal coliform<br>MPN/100 ml | Total coliform<br>MPN/100 ml |
| 1          | Papanasam          | 1159                   | 7.2         | 7.4 | 2.0               | 5                            | 17                           |
| 2          | Cheranmadevi       | 1160                   | 6.8         | 7.8 | 2.0               | 14                           | 24                           |
| 3          | Kokirakulam        | 1161                   | 6.5         | 7.8 | 2.0               | 14                           | 25                           |
| 4          | Murapanadu         | 1162                   | 6.3         | 7.5 | 2.5               | 17                           | 38                           |
| 5          | Thiruvidadimarudur | 1328                   | 7.0         | 7.1 | 2.0               | 9                            | 24                           |
| 6          | Ambasamudram       | 1329                   | 7.0         | 7.4 | 2.0               | 8                            | 20                           |
| 7          | Authoor            | 1330                   | 5.8         | 7.6 | 2.9               | 6                            | 17                           |
| 8          | Eral               | 3025                   | 5.9         | 7.6 | 2.8               | 10                           | 24                           |
| 9          | Kallidaikurichi    | 3026                   | 7.1         | 7.5 | 2.0               | 4                            | 11                           |
| 10         | Srivaikuntam       | 3027                   | 6.0         | 7.6 | 2.5               | 13                           | 24                           |
| 11         | Vellakovil         | 3028                   | 6.9         | 7.9 | 2.0               | 7                            | 48                           |
| 12         | Seevalaperi        | 3029                   | 6.8         | 7.2 | 2.0               | 33                           | 63                           |

**Standard limit for pH 6.5 to 8.5**

**Standard limit for DO 5.0 mg/l or more**

**Standard limit for BOD 3 mg/L or less**

**Standard limit for Total coliform MPN/100ml shall be 500 or less**

**TAMIL NADU POLLUTION CONTROL BOARD**

**76, Mount Salai, Guindy, Chennai - 600 032.**

**Water Quality Status of Polluted River Stretches**

**River Cooum - Polluted river stretches from Avadi to Sathya Nagar - 31.70 KM -  
Priority-I**

| Sl. No. | Name of station   | Station<br>Code No. | Feb-24   |      |                   |                           |                           |
|---------|-------------------|---------------------|----------|------|-------------------|---------------------------|---------------------------|
|         |                   |                     | D.O mg/L | pH   | BOD at 27° C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml |
| 1       | Anna Nagar        | 10040               | 2.4      | 7    | 14                | 390                       | 2000                      |
| 2       | Arumbakkam        | 10041               | 1.2      | 6.99 | 19                | 260                       | 1700                      |
| 3       | Aminjikarai       | 10042               | 1.3      | 6.97 | 18                | 330                       | 1700                      |
| 4       | Poonamalle        | 10043               | 1.5      | 6.83 | 14                | 390                       | 1700                      |
| 5       | College Road      | 10044               | Nil      | 6.9  | 25                | 330                       | 2000                      |
| 6       | Near Central Jail | 10045               | Nil      | 6.78 | 24                | 390                       | 2100                      |
| 7       | Napier Bridge     | 10046               | 1.8      | 6.8  | 24.0              | 330                       | 1700                      |

**Standard limit for pH 6.5 to 8.5**

**Standard limit for DO 5.0 mg/l or more**

**Standard limit for BOD 3 mg/L or less**

**Standard limit for Total coliform MPN/100ml shall be 500 or less**



**TAMIL NADU POLLUTION CONTROL BOARD**

**76, Mount Salai, Guindy, Chennai - 600 032.**

**Water Quality Status of Polluted River Stretches**

**River Amaravathy Polluted river stretches from Madathukulam to Karur - 108 KM -  
Priority-V**

| Sl.<br>No. | Name of station                    | Station<br>Code No. | Feb-24   |      |                   |                           |                           |
|------------|------------------------------------|---------------------|----------|------|-------------------|---------------------------|---------------------------|
|            |                                    |                     | D.O mg/L | pH   | BOD at 27° C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml |
| 1          | Sellandipalayam                    | 4812                | 6.7      | 7.39 | 2.5               | 6                         | 40                        |
| 2          | Narikuravar Colony,<br>Vangal Road | 4813                | 6.8      | 6.9  | 2.3               | 4                         | 48                        |

**Standard limit for pH 6.5 to 8.5**

**Standard limit for DO 5.0 mg/l or more**

**Standard limit for BOD 3 mg/L or less**

**Standard limit for Total coliform MPN/100ml shall be 500 or less**



**TAMIL NADU POLLUTION CONTROL BOARD**

**76, Mount Salai, Guindy, Chennai - 600 032.**

**Water Quality Status of Polluted River Stretches**

**River Palar Polluted river stretches from Kodaiyanji to Marapattu - 16.30 KM - Priority-V**

| Sl. No. | Name of station                    | Station Code No. | Feb-24   |    |                               |                           |                           |
|---------|------------------------------------|------------------|----------|----|-------------------------------|---------------------------|---------------------------|
|         |                                    |                  | D.O mg/L | pH | BOD at 27 <sup>o</sup> C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml |
| 1       | Vaniyambadi Water Supply Head Work | 1450             | No flow  |    |                               |                           |                           |

**Standard limit for pH 6.5 to 8.5**

**Standard limit for DO 5.0 mg/l or more**

**Standard limit for BOD 3 mg/L or less**

**Standard limit for Total coliform MPN/100ml shall be 500 or less**



**TAMIL NADU POLLUTION CONTROL BOARD**

**76, Mount Salai, Guindy, Chennai - 600 032.**

**Water Quality Status of Polluted River Stretches**

**River Sarabanga - Polluted river stretches from Thathayampatti to T.Konagapadi - 15  
KM - Priority-II**

| Sl. No. | Name of station  | Station<br>Code No. | Feb-24   |    |                               |                           |                           |
|---------|------------------|---------------------|----------|----|-------------------------------|---------------------------|---------------------------|
|         |                  |                     | D.O mg/L | pH | BOD at 27 <sup>o</sup> C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml |
| 1       | Edappadi (River) | 3024                | No flow  |    |                               |                           |                           |

**Standard limit for pH 6.5 to 8.5**

**Standard limit for DO 5.0 mg/l or more**

**Standard limit for BOD 3 mg/L or less**

**Standard limit for Total coliform MPN/100ml shall be 500 or less**



**TAMIL NADU POLLUTION CONTROL BOARD**

**76, Mount Salai, Guindy, Chennai - 600 032.**

**Water Quality Status of Polluted River Stretches**

**River Thirumanimutharu - Polluted river stretches from Salem to Papparapatti - 15  
KM - Priority-I**

| Sl.<br>No. | Name of station         | Station<br>Code No. | Feb-24   |     |                   |                           |                           |
|------------|-------------------------|---------------------|----------|-----|-------------------|---------------------------|---------------------------|
|            |                         |                     | D.O mg/L | pH  | BOD at 27° C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml |
| 1          | Uthamasolapuram (River) | 3022                | Nil      | 7.3 | 120               | 11000                     | 17000                     |

**Standard limit for pH 6.5 to 8.5**

**Standard limit for DO 5.0 mg/l or more**

**Standard limit for BOD 3 mg/L or less**

**Standard limit for Total coliform MPN/100ml shall be 500 or less**



**TAMIL NADU POLLUTION CONTROL BOARD**

**76, Mount Salai, Guindy, Chennai - 600 032.**

**Water Quality Status of Polluted River Stretches**

**River Cauvery - Polluted river stretches from Mettur to Mayiladuthurai - 200 KM -**

**Priority - III**

| Sl.No. | Name of station   | Station Code No. | Feb-24   |     |                   |                           |                           |
|--------|-------------------|------------------|----------|-----|-------------------|---------------------------|---------------------------|
|        |                   |                  | D.O mg/L | pH  | BOD at 27° C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml |
| 1      | Mettur            | 50               | 6.0      | 8.4 | 2.4               | 7                         | 17                        |
| 2      | Pallipalayam      | 51               | 6.3      | 7.8 | 1.8               | 14                        | 24                        |
| 3      | Musiri Borewell   | 32               | No flow  |     |                   |                           |                           |
| 4      | Musiri Ferry Gate | 31               | 6.4      | 7.8 | 1.7               | 6                         | 41                        |
| 5      | Komarapalayam     | 3012             | 5.8      | 7.8 | 2.7               | 14                        | 20                        |
| 6      | Urachikottai      | 3013             | 6.0      | 8.6 | 2.6               | 14                        | 27                        |
| 7      | Seerampalayam     | 3014             | 6.0      | 7.9 | 2.4               | 14                        | 21                        |
| 8      | Pugalur           | 3015             | 6.6      | 7.3 | 2.4               | 8                         | 48                        |
| 9      | Pettavaithalai    | 3016             | 6.4      | 7.9 | 2.4               | 7.8                       | 39                        |
| 10     | Kumbakonam        | 3017             | 6.1      | 7.7 | 2.5               | 14                        | 41                        |
| 11     | Mayiladurai       | 3018             | No flow  |     |                   |                           |                           |
| 12     | R.N. Pudur        | 1322             | 5.7      | 7.9 | 2                 | 20                        | 32                        |
| 13     | Vairapalayam      | 1320             | 5.9      | 8.3 | 2.5               | 11                        | 32                        |
| 14     | P. Velur          | 1323             | 5.8      | 8.1 | 2.7               | 12                        | 39                        |
| 15     | Mohanur           | 1324             | 5.7      | 8.0 | 2.7               | 20                        | 39                        |
| 16     | Thirumukkudal     | 1451             | 6.5      | 7.5 | 2.3               | 6                         | 41                        |
| 17     | Trichy Upstream   | 1202             | 7.6      | 8.0 | 1.9               | 13                        | 46                        |
| 18     | Trichy Downstream | 1325             | 7.5      | 7.9 | 2.1               | 7.8                       | 48                        |
| 19     | Grand Anaicut     | 1203             | 7.3      | 7.4 | 2.3               | 4                         | 41                        |

**Standard limit for pH 6.5 to 8.5**

**Standard limit for DO 5.0 mg/l or more**

**Standard limit for BOD 3 mg/L or less**

**Standard limit for Total coliform MPN/100ml shall be 500 or less**

**TAMIL NADU POLLUTION CONTROL BOARD**

**76, Mount Salai, Guindy, Chennai - 600 032.**

**Water Quality Status of Polluted River Stretches**

**River Bhavani Polluted river stretches from Sirumugai to Kalingarayan - 60 KM -  
Priority-V**

| Sl.<br>No. | Name of station          | Station<br>Code No. | Feb-24   |      |                   |                           |                           |
|------------|--------------------------|---------------------|----------|------|-------------------|---------------------------|---------------------------|
|            |                          |                     | D.O mg/L | pH   | BOD at 27° C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml |
| 1          | Badrakaliamman koil      | 1201                | 6.6      | 8.0  | 2.1               | 17                        | 33                        |
| 2          | Sirumugai                | 1204                | 6.9      | 8.0  | 2.4               | 11                        | 32                        |
| 3          | Bhavanisagar             | 1321                | 5.9      | 7.36 | 2.8               | 21                        | 39                        |
| 4          | Bhavani                  | 1205                | 5.2      | 8.6  | 2.9               | 11                        | 33                        |
| 5          | Sathyamangalam           | 3019                | 6.0      | 7.6  | 2.2               | 14                        | 17                        |
| 6          | Kalingarayan Canal (B5)  | 3020                | 5.9      | 8.1  | 2                 | 17                        | 39                        |
| 7          | Kalingarayan Canal (B10) | 3021                | 5.4      | 7.9  | 3                 | 12                        | 40                        |

**Standard limit for pH 6.5 to 8.5**

**Standard limit for DO 5.0 mg/l or more**

**Standard limit for BOD 3 mg/L or less**

**Standard limit for Total coliform MPN/100ml shall be 500 or less**